

## Rabbit p63 Monoclonal Antibody | anti-p63 antibody

p63 (Squamous, Basal &amp; Myoepithelial Cell Marker)

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                               |
|-----------|--------|-------------------|----------------------------------------------------------------------------|
| AAA214566 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay |

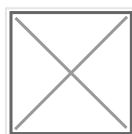
### PRODUCT SYNONYMS

p63; Monoclonal Antibody; p63 (Squamous; Basal & Myoepithelial Cell Marker); Amplified in squamous cell carcinoma (AIS); Chronic ulcerative stomatitis protein (CUSP); EEC3; Keratinocyte transcription factor KET; LMS; NBP; p40; P51/P63; p53 like transcription factor; p53-related protein p63; RHS; SHFM4; Tap63alpha; TP53CP; TP53L; TP63; TP73; TP73L; Transformation-related protein 63; Trp53rp1; Trp6; 3; Tumor protein 63; Tumor protein p53-like; tumor protein p73-like; anti-p63 antibody

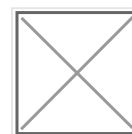
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                                       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone Number                                  | TP63/1423R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity                                   | p63 is a homolog of the tumor suppressor p53. It is identified in basal cells in the epithelial layers of a variety of tissues, including epidermis, cervix, urothelium, breast and prostate. p63 was detected in nuclei of the basal epithelium in normal prostate glands; however, it was not expressed in malignant tumors of the prostate. As a result, p63 has been reported as a useful marker for differentiating benign from malignant lesions in the prostate, particularly when used in combination with markers of high molecular weight cytokeratins and the prostate-specific marker AMACR (P504S). p63 has also been shown to be a sensitive marker for lung squamous cell carcinomas (SqCC), with a sensitivity of ~90%. Specificity for lung SqCC, vs. lung adenocarcinoma (LADC), is approximately 80%. In breast tissue, p63 has been identified in myoepithelial cells of normal ducts. |
| Form/Format                                   | 200ug/ml of Ab Purified by Protein A Column. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-p63 antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Human Unigene                                 | 137569                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Human Chromosome Location                     | 3q28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                                     | Recombinant human p63 protein fragment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cellular Localization                         | Nuclear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Positive Control                              | HEK293 cells. Prostate Carcinoma or Lung or bladder squamous cell carcinoma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                       | Antibody with azide: store at 2 to 8°C. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



SDS-PAGE


**IHC (Immunohistochemistry)**

Formalin-fixed, paraffin-embedded human Prostate Cancer stained with p63 Rabbit Monoclonal Antibody (TP63/1423R).

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                                                                                                                 |
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| References | Terry J, et al. Optimal immunohistochemical markers for distinguishing lung adenocarcinomas from squamous cell carcinomas in small tumor samples. Am J Surg Pathol. 2010; 34(12):1805-11. Signoretti S, et al. p63 is a prostate basal cell marker and is required for prostate development. Am J Pathol. 2000; 157(6):1769-75. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 169234657                                                                                                            |
| NCBI GeneID                      | 8626                                                                                                                 |
| NCBI Accession #                 | NP_001108450.1                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_001114978.1                                                                                                       |
| UniProt Accession #              | Q9H3D4; O75080; O75195; O75922; O76078; Q6VEG2; Q6VEG3; Q6VEG4; Q6VFJ1; Q6VFJ2; Q6VFJ3; Q6VH20                       |
| Molecular Weight                 | 63kDa                                                                                                                |
| NCBI Official Full Name          | tumor protein 63 isoform 2                                                                                           |
| NCBI Official Synonym Full Names | tumor protein p63                                                                                                    |
| NCBI Official Symbol             | TP63                                                                                                                 |
| NCBI Official Synonym Symbols    | AIS; KET; LMS; NBP; RHS; p40; p51; p63; EEC3; OFC8; p73H; p73L; SHFM4; TP53L; TP73L; p53CP; TP53CP; B(p51A); B(p51B) |
| NCBI Protein Information         | tumor protein 63                                                                                                     |
| UniProt Protein Name             | Tumor protein 63                                                                                                     |
| UniProt Gene Name                | TP63                                                                                                                 |
| UniProt Synonym Gene Names       | KET; P63; P73H; P73L; TP73L; p63; CUSP; TP63; p73L                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/p63-antibody-clone-tp63-1423r-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214566>