

## PAX6 recombinant antibody

Recombinant Anti-PAX6 Rabbit mAb

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA266365 | Rabbit | Human, Mouse, Rat | Immunocytochemistry, Immunofluorescence, Western Blot |

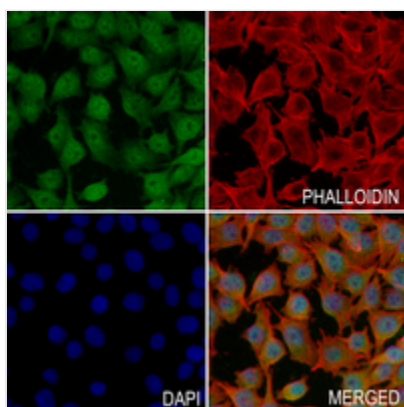
### PRODUCT SYNONYMS

PAX6; Monoclonal Recombinant Antibody; Recombinant Anti-PAX6 Rabbit mAb; AN2; Paired box protein Pax-6; Aniridia type II protein; Oculorhombin; PAX6 recombinant antibody

### PRODUCT SPECIFICATIONS

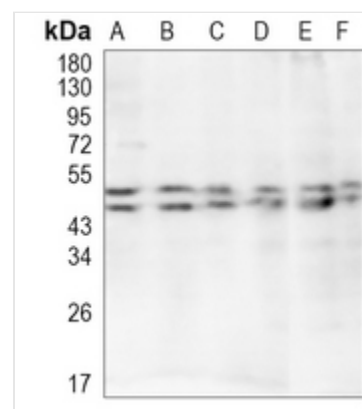
|                                                       |                                                                                                                |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                                  | Rabbit                                                                                                         |
| Reactivity                                            | Human, Mouse, Rat                                                                                              |
| Clonality                                             | Monoclonal                                                                                                     |
| Specificity                                           | Recognizes endogenous levels of PAX6 protein                                                                   |
| Purity/Purification                                   | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                           | Liquid in PBS, pH7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.                                |
| Applicable Applications for PAX6 recombinant antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                          |
| Immunogen                                             | KLH-conjugated synthetic peptide encompassing a sequence within human PAX6. The exact sequence is proprietary. |
| Preparation and Storage                               | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of PAX6 staining in A375 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



#### WB (Western Blot)

Western blot analysis of PAX6 expression in HeLa (A), Jurkat (B), K562 (C), mouse brain (D), rat brain (E), rat muscle (F) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 46; 48KD)

ADDITIONAL INFORMATION

|                                                           |                                                |
|-----------------------------------------------------------|------------------------------------------------|
| Related Product Information for PAX6 recombinant antibody | Recombinant rabbit monoclonal antibody to PAX6 |
| Product Categories/Family for PAX6 recombinant antibody   | Primary Antibody                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4505615                                                                                      |
| NCBI GeneID                      | 5080                                                                                         |
| NCBI Accession #                 | NP_000271.1                                                                                  |
| NCBI GenBank Nucleotide #        | NM_000280.4                                                                                  |
| UniProt Accession #              | P26367; P63015; P63016                                                                       |
| Molecular Weight                 | 422                                                                                          |
| NCBI Official Full Name          | paired box protein Pax-6 isoform a                                                           |
| NCBI Official Synonym Full Names | paired box 6                                                                                 |
| NCBI Official Symbol             | PAX6                                                                                         |
| NCBI Official Synonym Symbols    | AN; AN2; MGDA; WAGR; D11S812E                                                                |
| NCBI Protein Information         | paired box protein Pax-6; oculorhombin; aniridia type II protein; paired box homeotic gene-6 |
| UniProt Protein Name             | Paired box protein Pax-6                                                                     |
| UniProt Gene Name                | PAX6                                                                                         |
| UniProt Synonym Gene Names       | AN2                                                                                          |
| UniProt Entry Name               | PAX6_HUMAN                                                                                   |

**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/pax6-recombinant-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/266365>