

## Rabbit anti-Human, Rat Keratin 23 Polyclonal Antibody | anti-KRT23 antibody

Keratin 23 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA327761 | Rabbit | Human, Rat | ELISA, Immunohistochemistry, Western Blot |

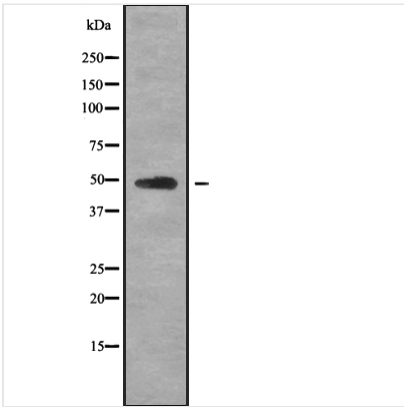
### PRODUCT SYNONYMS

Keratin 23; Polyclonal Antibody; Keratin 23 Antibody; CK 23; CK-23; CK23; Cytokeratin 23; Cytokeratin-23; Cytokeratin23; DKFZP434G032; HAIK 1; HAIK1; Histone deacetylase inducible keratin 23; Hyperacetylation inducible type I keratin; K1C23\_HUMAN; K23; Keratin 23 (histone deacetylase inducible); Keratin; Keratin type I cytoskeletal 23; Keratin-23; Keratin23; KRT 23; KRT23; MGC26158; type I cytoskeletal 23; Type I intermediate filament cytokeratin; anti-KRT23 antibody

### PRODUCT SPECIFICATIONS

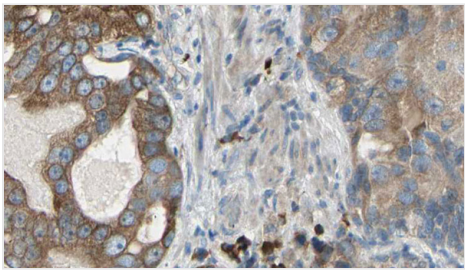
|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human, Rat                                                                                    |
| Clonality                                       | Polyclonal                                                                                    |
| Isotype                                         | IgG                                                                                           |
| Specificity                                     | Keratin 23 antibody detects endogenous levels of total Keratin 23                             |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                 | 285                                                                                           |
| Applicable Applications for anti-KRT23 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                          |
| Immunogen                                       | A synthesized peptide derived from human Keratin 23                                           |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Sheep, Rabbit</b>                                                             |
| Similarity                                      | Pig (80%), Bovine (83%), Sheep (92%), Rabbit (83%)                                            |
| Conjugation                                     | Unconjugated                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



WB (Western Blot)

Western blot analysis of Keratin 23 using Jurkat whole cell lysates



IHC (Immunohistochemistry)

AAA327761 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-KRT23 antibody | Function: There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).<br>Subunit Structure: Heterotetramer of two type I and two type II keratins.<br>Similarity: Belongs to the intermediate filament family. |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| NCBI GI #                        | 539847623                                 |
| NCBI GeneID                      | 25984                                     |
| NCBI Accession #                 | NP_001269362.1                            |
| NCBI GenBank Nucleotide #        | NM_001282433.1                            |
| UniProt Accession #              | Q9C075; Q9NUR6; A8K084; B7Z7J2; I3L3Q6    |
| Molecular Weight                 | Observed: 48 kDa<br>Predicted: 49 kDa     |
| NCBI Official Full Name          | keratin, type I cytoskeletal 23 isoform 2 |
| NCBI Official Synonym Full Names | keratin 23                                |
| NCBI Official Symbol             | KRT23                                     |
| NCBI Official Synonym Symbols    | K23; CK23; HAIK1                          |
| NCBI Protein Information         | keratin, type I cytoskeletal 23           |
| UniProt Protein Name             | Keratin, type I cytoskeletal 23           |
| UniProt Gene Name                | KRT23                                     |
| UniProt Synonym Gene Names       | CK-23; K23                                |

**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.