

Rabbit anti-Human, Mouse PKP3 Polyclonal Antibody | anti-PKP3 antibody

PKP3 Antibody

CATALOG # AAA327454	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PKP3; Polyclonal Antibody; PKP3 Antibody; PKP 3; PKP3_HUMAN; Plakophilin 3b; Plakophilin-3; Plakophilin3; anti-PKP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PKP3 antibody detects endogenous levels of total PKP3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	812
Applicable Applications for anti-PKP3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PKP3
Subcellular Location	Nucleus
Tissue Specificity	Isoform PKP3a is found in desmosomes of most simple and stratified epithelia. Not found in foreskin fibroblasts and various sarcoma-derived cell lines. Beside dendritic reticular cells of lymphatic follicles not found in non-epithelial desmosome-bearing tissues. Isoform PKP3b is abundant in the desmosomes of stratified epithelial cell but absent in simple epithelial cells, it is also expressed in the colon and its tumors.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Dog (100%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327454 at 1/100 staining Mouse lung 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.



WB (Western Blot)
Western blot analysis of PKP3 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PKP3 antibody	Function: May play a role in junctional plaques. Similarity: Belongs to the beta-catenin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	732663005
NCBI GeneID	11187
NCBI Accession #	NP_001289958.1
NCBI GenBank Nucleotide #	NM_001303029.1
UniProt Accession #	Q9Y446; Q53EX8; F8J390
Molecular Weight	Observed: 87 kDa Predicted: 88 kDa
NCBI Official Full Name	plakophilin-3 isoform PKP3b
NCBI Official Synonym Full Names	plakophilin 3
NCBI Official Symbol	PKP3
NCBI Protein Information	plakophilin-3
UniProt Protein Name	Plakophilin-3
UniProt Gene Name	PKP3

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/polyclonal/pkp3-antibody-immunohistochemistry-western-blot-elisa/327454>