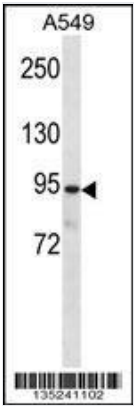
PKP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PKP3, Polyclonal Antibody
Full Product Name	PKP3, CT (PKP3, Plakophilin-3) (Azide free) (HRP)
Product Gene Name	anti-PKP3 antibody
Product Synonym Names	PKP3; Plakophilin-3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	88,655 Da
3D Structure	ModBase 3D Structure for Q9Y446
Immunogen	PKP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 765-794 amino acids from the C-terminal region of human PKP3.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-PKP3 antibody	Antibodies; Plakophilin
Applications Tested/Suitable for anti-PKP3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PKP3 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PKP3 antibody	This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may act in cellular desmosome-dependent adhesion and signaling pathways. [provided by RefSeq].
Product References and Citations for anti-PKP3 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Valladares-Ayerbes, M., et al. Cancer Epidemiol. Biomarkers Prev. 19(6):1432-1440(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Kundu, S.T., et al. Int. J. Cancer 123(10):2303-2314(2008). Valladares-Ayerbes, M., et al. Cancer Detect. Prev. 32(3):236-250(2008).
Other Notes	Small volumes of anti-PKP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for PKP3 purchase	MBS6334491 is an antibody targeting PKP3. Also known as PKP3, CT (PKP3, Plakophilin-3) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PKP3 antibody
PKP3 Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the PKP3 antibody detected the PKP3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PKP3. It may not necessarily be applicable to this product.

NCBI GI #	6005830
NCBI GeneID	11187
NCBI Accession #	NP_009114.1
UniProt Primary Accession #	Q9Y446
UniProt Secondary Accession #	Q53EX8; F8J390
UniProt Related Accession #	Q9Y446
GenBank Nucleotide #	NM_007183.3
NCBI Official Full Name	plakophilin-3 isoform PKP3a
NCBI Official Synonym Full Names	plakophilin 3
NCBI Official Symbol	PKP3
UniProt Protein Name	Plakophilin-3
Protein Family	Plakophilin
UniProt Gene Name	PKP3
NCBI Protein Information	plakophilin-3
NCBI Summary for PKP3	This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may act in cellular desmosome-dependent adhesion and signaling pathways. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]
UniProt Comments for PKP3	May play a role in junctional plaques.
Research Articles on PKP3	**1.** PKP3 overexpression increases the stability of other desmosomal proteins independently of the increase in DSC2 levels and regulates desmosome formation and stability by a multimodal mechanism affecting transcription, protein stability and cell border localization of desmosomal proteins.

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