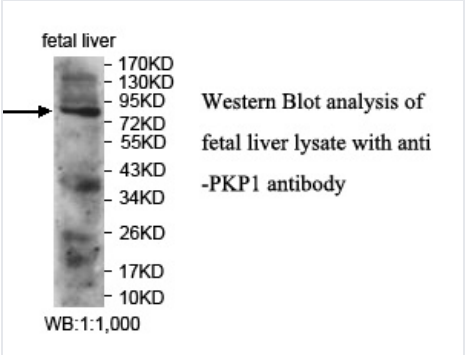
PKP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PKP1, Polyclonal Antibody
Full Product Name	PKP1 Antibody
Product Gene Name	anti-PKP1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human Predicted: Mouse, Rat
Form/Format	Purified by protein affinity column containing 1% BSA and 0.02% NaN3.
Preparation and Storage	Already reconstituted in 200ul sterile H2O. The antibody is stable for at least one year when stored at-20 degree C after reconstitution. Avoid repeated freeze/defrost cycles.
Molecular Weight	80,497 Da
OMIM	601975
Product Categories/Family for anti-PKP1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PKP1 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-PKP1 antibody	ELISA: 1:20,000-1:80,000 WB: 1:500-1:1,000
Related Product Information for anti-PKP1 antibody	Rabbit polyclonal PKP1 (1) antibody was raised against a recombinated human PKP1 protein 54-317aa (BC114571).
Product References and Citations for anti-PKP1 antibody	(1) Kaz, A.M., Luo, Y., Dzieciatkowski, S., et al. Aberrantly methylated PKP1 in the progression of Barrett's esophagus to esophageal adenocarcinoma. Genes Chromosomes Cancer 51 (4), 384-393 (2012).
Other Notes	Small volumes of anti-PKP1 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 PKP1 purchase	MBS859421 is an antibody targeting PKP1. Also known as PKP1 Antibody. Reactive in Human Predicted: Mouse, Rat. Host: Rabbit.



Testing Data of anti-PKP1 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PKP1. It may not necessarily be applicable to this product.

NCBI GI #	109731494
NCBI GeneID	5317
NCBI Accession #	BC114571
UniProt Secondary Accession #	O00645; Q14CA0; Q15152
UniProt Related Accession #	Q13835
NCBI Official Full Name	Homo sapiens plakophilin 1 (ectodermal dysplasia/skin fragility syndrome), mRNA
NCBI Official Synonym Full Names	plakophilin 1
NCBI Official Symbol	PKP1
NCBI Official Synonym Symbols	B6P
UniProt Protein Name	Plakophilin-1
UniProt Synonym Protein Names	Band 6 protein; B6P
Protein Family	Plakophilin
UniProt Gene Name	PKP1
UniProt Synonym Gene Names	B6P
NCBI Protein Information	plakophilin-1
NCBI Summary for PKP1	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 be involved in molecular recruitment and stabilization during desmosome formation. Mutations in this gene have been associated with the ectodermal dysplasia/skin fragility syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]
UniProt Comments for PKP1	Seems to play a role in junctional plaques. Contributes to epidermal morphogenesis.
Research Articles on PKP1	**1.** These results implicate the participation of PKP1 in early tooth morphogenesis as an effector of canonical Wnt signaling that controls ameloblast differentiation via regulation of the cell adhesion complex
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