

Mouse PRKG1 Monoclonal Antibody | anti-PRKG1 antibody

PRKG1 antibody

CATALOG # AAA108184	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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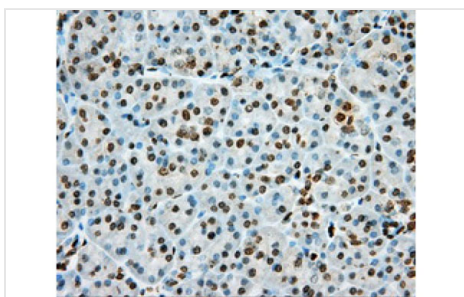
PRODUCT SYNONYMS

PRKG1; Monoclonal Antibody; PRKG1 antibody; Monoclonal PRKG1; Anti-PRKG1; Protein kinase cGMP-dependent type I; PGK; cGK1; cGMP-dependent protein kinase I; CGKI; cGMP dependent protein kinase 1; PRKG 1; PRKG-1; anti-PRKG1 antibody

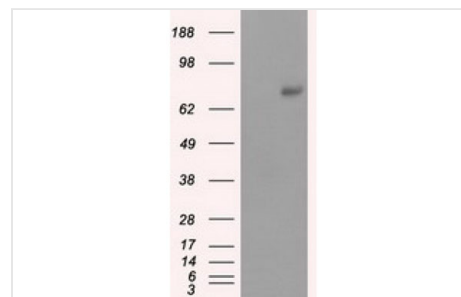
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9G4
Purity/Purification	PRKG1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	312
Applicable Applications for anti-PRKG1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	PRKG1 phosphorylates PPP1R12A, the myosin-binding subunit of myosin phosphatase.
Cross-Reactivity	Human
Immunogen	PRKG1 antibody was raised in mouse using a full length recombinant protein of human PRKG1 (NP_006249) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

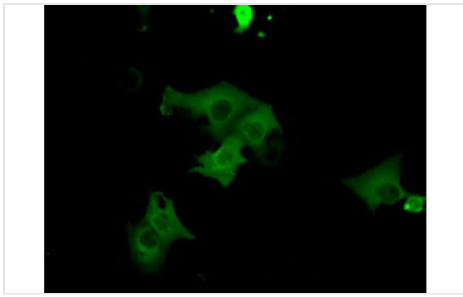
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of PRKG1 protein in paraffin embedded Human pancreas tissue using PRKG1 antibody


WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PRKG1 protein (Right) or empty vector (Left) detected with PRKG1 antibody



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PRKG1 protein using PRKG1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PRKG1 antibody	Mouse monoclonal PRKG1 antibody
Product Categories/Family for anti-PRKG1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	38571600
NCBI GeneID	5592
Molecular Weight	44,185 Da
NCBI Official Full Name	PRKG1 protein
NCBI Official Synonym Full Names	protein kinase, cGMP-dependent, type I
NCBI Official Symbol	PRKG1
NCBI Official Synonym Symbols	PKG; cGK; AAT8; cGK1; cGKI; cGK 1; PRKG1B; PRKGR1B; cGKI-BETA; cGKI-alpha
NCBI Protein Information	cGMP-dependent protein kinase 1
UniProt Protein Name	cGMP-dependent protein kinase 1
UniProt Gene Name	PRKG1
UniProt Synonym Gene Names	PRKG1B; PRKGR1A; PRKGR1B; cGK 1; cGK1; cGKI
UniProt Entry Name	KGP1_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/prkg1-antibody-clone-9g4-western-blot-immunohistochemistry-immunofluorescence-elisa/108184>