

Rabbit anti-Human, Mouse PARD6B Polyclonal Antibody | anti-PARD6B antibody

PARD6B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324936	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

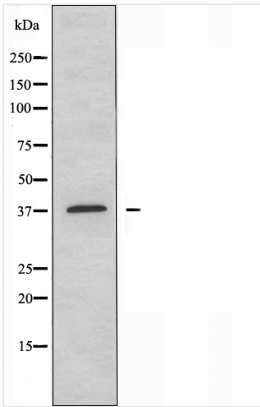
PRODUCT SYNONYMS

PARD6B; Polyclonal Antibody; PARD6B Antibody; OTTHUMP00000031269; PAR 6 beta; Par 6 partitioning defective 6 homolog beta (C. elegans); PAR6B; PARD6 beta; partitioning defective 6 homolog beta; partitioning-defective protein 6; C. elegans; homolog of; beta; anti-PARD6B antibody

PRODUCT SPECIFICATIONS

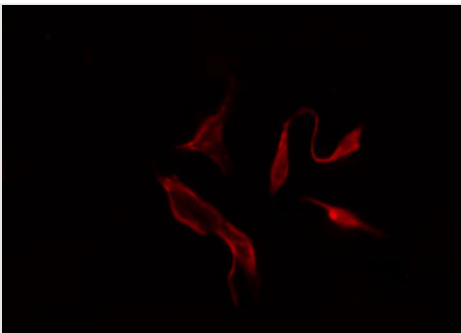
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PARD6B antibody detects endogenous levels of total PARD6B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	372
Applicable Applications for anti-PARD6B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Cell Membrane. Cell Junction, Tight Junction.
Tissue Specificity	Expressed in pancreas and in both adult and fetal kidney. Weakly expressed in placenta and lung. Not expressed in other tissues.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (89%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (88%)
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 extracts from Jurkat cells, using PARD6B antibody.



IF (Immunofluorescence)

AAA324936 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PARD6B antibody	Function: Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins. Subunit Structure: Interacts with PARD3. Interacts with GTP-bound forms of CDC42 and RAC1. Interacts with GTP-bound ARHQ/TC10. Interacts with MPP5 (By similarity). Interacts with the N-terminal part of PRKCI and PRKCZ. Part of a complex with PARD3, CDC42 or RAC1 and PRKCI or PRKCZ. Part of a complex with LLGL1 and PRKCI. Interacts with ALS2CR19. Interacts with ECT2. Similarity: The pseudo-CRIB domain together with the PDZ domain is required for the interaction with Rho small GTPases. The PDZ domain mediates interaction with MPP5. Belongs to the PAR6 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62955042
NCBI GeneID	84612
NCBI Accession #	NP_115910.1
NCBI GenBank Nucleotide #	NM_032521.2
UniProt Accession #	Q9BYG5; Q9Y510; A2A2A7
Molecular Weight	Observed: 38 kD Predicted: 42 kDa
NCBI Official Full Name	partitioning defective 6 homolog beta
NCBI Official Synonym Full Names	par-6 family cell polarity regulator beta
NCBI Official Symbol	PARD6B
NCBI Official Synonym Symbols	PAR6B
NCBI Protein Information	partitioning defective 6 homolog beta
UniProt Protein Name	Partitioning defective 6 homolog beta
UniProt Gene Name	PARD6B
UniProt Synonym Gene Names	PAR6B; PAR-6 beta; PAR-6B

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/pard6b-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324936>