Rabbit PARD3 Polyclonal Antibody | anti-PARD3 antibody

PARD3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288927	**Rabbit**	**Human, mouse (Predicted Reactivity: Rat)**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

PARD3; Polyclonal Antibody; PARD3 Antibody (C-term); Partitioning defective 3 homolog; PAR-3; PARD-3; Atypical PKC isotype-specific-interacting protein; ASIP; CTCL tumor antigen se2-5; PAR3-alpha; PAR3; PAR3A; anti-PARD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PARD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1329-1356 amino acids from the C-terminal region of human PARD3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	1329-1356
Sequence Length	1,340
Applicable Applications for anti-PARD3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

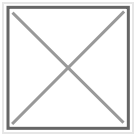
IMAGES



FCM/FACS (Flow Cytometry)
PARD3 Antibody (C-term) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human testis tissue reacted with PARD3 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PARD3 Antibody (C-term) in mouse stomach tissue lysates (35ug/lane). PARD3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PARD3 antibody	PARD proteins, which were first identified in C. elegans, are essential for asymmetric cell division and polarized growth, whereas CDC42 (MIM 116952) mediates the establishment of cell polarity. The CDC42 GTPase, which is controlled by nucleotide exchange factors (GEFs; see MIM 606057) and GTPase-activating proteins (GAPs; see MIM 604980), interacts with a large set of effector proteins that typically contain a CDC42/RAC (MIM 602048)-interactive binding (CRIB) domain.
Product Categories/Family for anti-PARD3 antibody	Neuroscience; Signal Transduction
References	Noda,Y., et.al., Genes Cells 6 (2), 107-119 (2001) Beausoleil,S.A., et.al., Proc. Natl. Acad. Sci. U.S.A. 101 (33), 12130-12135 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	296278257
NCBI GeneID	56288
NCBI Accession #	NP_001171714.1; NP_001171715.1; NP_001171716.1; NP_001171717.1; NP_001171718.1; NP_001171719.1; NP_001171720.1; NP_001171721.1; NP_001171722.1; NP_001171723.1; NP_062565.2
NCBI GenBank Nucleotide #	NM_001184785.1
UniProt Accession #	Q8TEW0; Q5T2U1; Q5VUA2; Q5VUA3; Q5VWV0; Q5VWV1; Q5VWV3; Q5VWV4; Q5VWV5; Q6IQ47; Q8TCZ9; F5H5T0
Molecular Weight	151423
NCBI Official Full Name	partitioning defective 3 homolog isoform 2
NCBI Official Synonym Full Names	par-3 family cell polarity regulator
NCBI Official Symbol	PARD3
NCBI Official Synonym Symbols	Baz; ASIP; PAR3; PARD-3; PARD3A; SE2-5T2; PPP1R118; SE2-5L16; SE2-5LT1; PAR3alpha
NCBI Protein Information	partitioning defective 3 homolog
UniProt Protein Name	Partitioning defective 3 homolog
UniProt Gene Name	**PARD3**
UniProt Synonym Gene Names	PAR3; PAR3A; PAR-3; PARD-3; ASIP
UniProt Entry Name	PARD3_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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