

Rabbit PDZD2 Polyclonal Antibody | anti-PDZD2 antibody

PDZD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320955	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

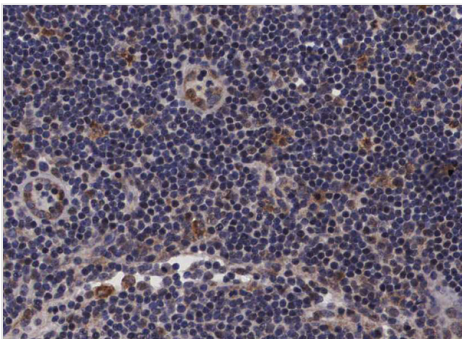
PRODUCT SYNONYMS

PDZD2; Polyclonal Antibody; PDZD2 Antibody; Activated in prostate cancer protein; AIPC; KIAA0300; PAPIN; PDZ domain containing 2; PDZ domain containing 3; PDZ domain containing protein 2; PDZ domain containing protein 3; PDZK 3; PIN1; Plakophilin related armadillo repeat protein interacting PDZ protein like; anti-PDZD2 antibody

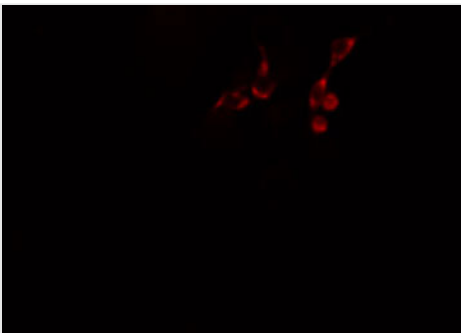
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDZD2 antibody detects endogenous levels of PDZD2
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	2839
Applicable Applications for anti-PDZD2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human PDZD2
Subcellular Location	Cytoplasmic, Endoplasmic Reticulum, Nuclear and Secreted
Tissue Specificity	Isoform 2 is expressed (at protein level) in prostate and many prostate tumors.
Predicted Cross Reactivity	Zebrafish, Horse, Dog
Similarity	Zebrafish (88%), Horse (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA320955 at 1/100 staining human lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA320955 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-PDZD2 antibody	Description: Proteins containing PDZ domains have been shown frequently to bind the C-termini of transmembrane receptors or ion channels. They have also been shown to bind to other PDZ domain proteins and could possibly be involved in intracellular signalling. The protein encoded by this gene contains six PDZ domains and shares sequence similarity with pro-interleukin-16 (pro-IL-16). Like pro-IL-16, the encoded protein localizes to the endoplasmic reticulum and is thought to be cleaved by a caspase to produce a secreted peptide containing two PDZ domains. In addition, this gene is upregulated in primary prostate tumors and may be involved in the early stages of prostate tumorigenesis. Two transcript variants encoding different isoforms have been found for this gene. Subunit Structure: Interacts with SCN10A, CTNND2 and PKP4. Post-translational Modifications: A secreted form is produced by caspase-mediated proteolytic cleavage.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	87196343
NCBI GeneID	23037
NCBI Accession #	NP_835260.2
NCBI GenBank Nucleotide #	NM_178140.3
UniProt Accession #	O15018; Q9BXD4
Molecular Weight	Observed: 301 kDa Predicted: 302 kDa
NCBI Official Full Name	PDZ domain-containing protein 2
NCBI Official Synonym Full Names	PDZ domain containing 2
NCBI Official Symbol	PDZD2
NCBI Official Synonym Symbols	AIPC; PIN1; PAPIN; PDZK3
NCBI Protein Information	PDZ domain-containing protein 2
UniProt Protein Name	PDZ domain-containing protein 2
UniProt Gene Name	PDZD2
UniProt Synonym Gene Names	AIPC; KIAA0300; PDZK3

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.

