

Rabbit PDCD10 Polyclonal Antibody | anti-PDCD10 antibody

PDCD10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326824	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PDCD10; Polyclonal Antibody; PDCD10 Antibody; Apoptosis related protein 15; CCM3; Cerebral cavernous malformations 3 protein; MGC1212; MGC24477; PDC10_HUMAN; PDCD 10; Programmed cell death 10; Programmed cell death protein 10; TF 1 cell apoptosis related protein 15; TF-1 cell apoptosis-related protein 15; TFAR15; anti-PDCD10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDCD10 antibody detects endogenous levels of total PDCD10
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	212
Applicable Applications for anti-PDCD10 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein of human PDCD10
Subcellular Location	Cytoplasm. Golgi Apparatus Membrane. Cell Membrane. Partially co-localizes with endogenous PXN at the leading edges of migrating cells.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326824 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using PDCD10 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PDCD10 antibody

Description: This gene encodes an evolutionarily conserved protein associated with cell apoptosis. The protein interacts with the serine/threonine protein kinase MST4 to modulate the extracellular signal-regulated kinase (ERK) pathway. It also interacts with and is phosphoryated by serine/threonine kinase 25, and is thought to function in a signaling pathway essential for vascular development. Mutations in this gene are one cause of cerebral cavernous malformations, which are vascular malformations that cause seizures and cerebral hemorrhages. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Function: Promotes cell proliferation. Modulates apoptotic pathways. Increases mitogen-activated protein kinase activity and STK26 activity (PubMed:27807006). Important for cell migration, and for normal structure and assembly of the Golgi complex (PubMed:27807006). Important for KDR/VEGFR2 signaling. Increases the stability of KDR/VEGFR2 and prevents its breakdown. Required for normal cardiovascular development. Required for normal angiogenesis, vasculogenesis and hematopoiesis during embryonic development (By similarity).

Subunit Structure: Homodimer (PubMed:20489202). Interacts (via C-terminus) with CCM2 (PubMed:17360971, PubMed:20489202). Interacts (via C-terminus) with PXN (PubMed:20489202). Interacts (via N-terminus) with STK25 (PubMed:17360971, PubMed:20332113). Interacts (via N-terminus) with STK26 (PubMed:17360971, PubMed:20332113, PubMed:27807006). Interacts (via N-terminus) with STK24 (PubMed:20332113, PubMed:27807006). Interacts with GOLGA2 (PubMed:20332113). Identified in a complex with KRIT1 and CCM2. Interacts with KDR/VEGFR2. Interaction with KDR/VEGFR2 is enhanced by stimulation with VEGFA (By similarity). Interacts with RIPOR1 (via C-terminus); this interaction is required for the association of RIPOR1 with either STK24 and STK26 kinases and occurs in a Rho-independent manner (PubMed:27807006).

Similarity: Belongs to the PDCD10 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20127517
NCBI GeneID	11235
NCBI Accession #	NP_009148.2
NCBI GenBank Nucleotide #	NM_007217.3
UniProt Accession #	Q9BUL8; O14811; A8K515; D3DNN5
Molecular Weight	Observed: 25 kDa Predicted: 25 kDa
NCBI Official Full Name	programmed cell death protein 10
NCBI Official Synonym Full Names	programmed cell death 10
NCBI Official Symbol	PDCD10
NCBI Official Synonym Symbols	CCM3; TFAR15
NCBI Protein Information	programmed cell death protein 10
UniProt Protein Name	Programmed cell death protein 10
UniProt Gene Name	PDCD10
UniProt Synonym Gene Names	CCM3; TFAR15

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/pdcd10-antibody-immunohistochemistry-western-blot-elisa/326824>