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PDCD10 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17989c

Specification

PDCD10 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9BUL8
Other Accession	Q8AVR4, Q6NX65, Q8VE70, Q5ZIV5, Q6PHH3, NP_009148.2
Reactivity	**Human**
Predicted	**Zebrafish, Chicken, Mouse, Rat, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**24702**
Antigen Region	**96-124**

PDCD10 Antibody (Center) - Additional Information

Gene ID 11235

Other Names
Programmed cell death protein 10, Cerebral cavernous malformations 3 protein, TF-1 cell apoptosis-related protein 15, PDCD10, CCM3, TFAR15

Target/Specificity
This PDCD10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-124 amino acids from the Central region of human PDCD10.

Dilution
WB~~1:1000

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PDCD10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PDCD10 Antibody (Center) - Protein Information

Name PDCD10

Synonyms CCM3, TFAR15

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).

Cellular Location
Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Partially co-localizes with endogenous PXN at the leading edges of migrating cells

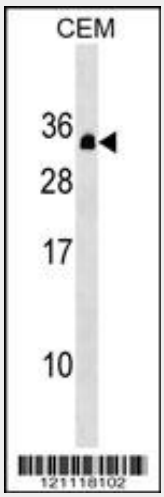
Tissue Location
Ubiquitous..

PDCD10 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PDCD10 Antibody (Center) - Images



PDCD10 Antibody (Center) (Cat. #AP17989c) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the PDCD10 antibody detected the PDCD10 protein (arrow).

PDCD10 Antibody (Center) - Background

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 developent. 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. [provided by RefSeq].

PDCD10 Antibody (Center) - References

Lauenborg, B., et al. APMIS 118(10):719-728(2010)
Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
Ding, J., et al. Biochem. Biophys. Res. Commun. 399(4):587-592(2010)
Zheng, X., et al. J. Clin. Invest. 120(8):2795-2804(2010)
Dibble, C.F., et al. PLoS ONE 5 (7), E11740 (2010) :