

**PDCD10 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17989c****Specification**

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**PDCD10 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9BUL8](#)**PDCD10 Antibody (Center) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PDCD10 Antibody (Center) Blocking Peptide - Protein Information****Name** PDCD10**Synonyms** CCM3, TFAR15**Function**

Promotes cell proliferation. Modulates apoptotic pathways. Increases mitogen-activated protein kinase activity and STK26 activity (PubMed:<a href="http://www.uniprot.org/citations/27807006" target="\_blank">27807006</a>). Important for cell migration, and for normal structure and assembly of the Golgi complex (PubMed:<a href="http://www.uniprot.org/citations/27807006" target="\_blank">27807006</a>). 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **PDCD10 Antibody (Center) Blocking Peptide - Images**

### **PDCD10 Antibody (Center) Blocking Peptide - 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 phosphorylated 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. [provided by RefSeq].

### **PDCD10 Antibody (Center) Blocking Peptide - 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) :