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SAMD9 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5709b

Specification

SAMD9 Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q5K651
Other Accession	NP_060124.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**184281**
Antigen Region	**1165-1193**

SAMD9 Antibody (C-term) - Additional Information

Gene ID 54809

Other Names
Sterile alpha motif domain-containing protein 9, SAM domain-containing protein 9, SAMD9, C7orf5, DRIF1, KIAA2004, OEF1

Target/Specificity
This SAMD9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1165-1193 amino acids from the C-terminal region of human SAMD9.

Dilution
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

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
SAMD9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SAMD9 Antibody (C-term) - Protein Information

Name SAMD9

Synonyms C7orf5, DRIF1, KIAA2004, OEF1

Function Double-stranded nucleic acid binding that acts as an antiviral factor by playing an essential role in the formation of cytoplasmic antiviral granules (PubMed:25428864, PubMed:28157624). May play a role in the inflammatory response to tissue injury and the control of extra-osseous calcification, acting as a downstream target of TNF-alpha signaling. Involved in the regulation of EGR1, in coordination with RGL2. May be involved in endosome fusion.

Cellular Location
Cytoplasm

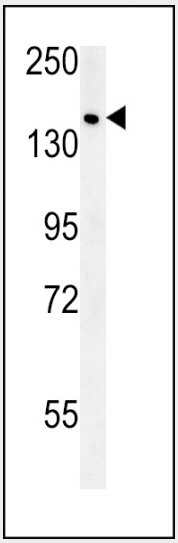
Tissue Location
Widely expressed. Very low levels are detected in skeletal muscle. Not detected in brain. Down-regulated in aggressive fibromatosis, as well as in breast and colon cancers. Up-regulated in fibroblasts from patients with normophosphatemic tumoral calcinosis (NFTC).

SAMD9 Antibody (C-term) - 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

SAMD9 Antibody (C-term) - Images



SAMD9 Antibody (C-term) (Cat. #AP5709b) western blot analysis in MCF-7 cell line lysates (15ug/lane).This demonstrates the SAMD9 antibody detected the SAMD9 protein (arrow).

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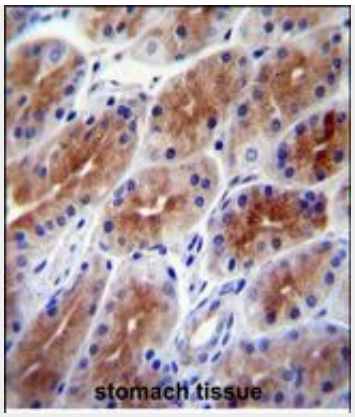

SAMD9 Antibody (C-term) (Cat. #AP5709b)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SAMD9 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SAMD9 Antibody (C-term) - References

Tanaka, M., et al. Int. J. Cancer 126(8):1982-1991(2010)
Chefetz, I., et al. J. Invest. Dermatol. 128(6):1423-1429(2008)
Dereure, O. Ann Dermatol Venereol 134 (5 PT 1), 505 (2007) :
Li, C.F., et al. BMC Genomics 8, 92 (2007) :
Topaz, O., et al. Am. J. Hum. Genet. 79(4):759-764(2006)