

## **SAMD9 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59097

## **Specification**

# **SAMD9 Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF
Primary Accession Q5K651
Reactivity Rat, Bovine
Host Rabbit
Clonality Polyclonal
Calculated MW 184281

# **SAMD9 Polyclonal Antibody - Additional Information**

Gene ID 54809

#### **Other Names**

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

#### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

## **SAMD9 Polyclonal Antibody - 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:<a

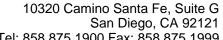
href="http://www.uniprot.org/citations/25428864" target="\_blank">25428864</a>, PubMed:<a href="http://www.uniprot.org/citations/28157624" target="\_blank">28157624</a>). May play a role in the inflammatory response to tissue injury and the control of extra-osseous calcification, acting as a downstream 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.





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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 Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**SAMD9 Polyclonal Antibody - Images**