

For Research Use Only

SAMD9 Polyclonal antibody

Catalog Number: 22786-1-AP

Featured Product



Basic Information

Catalog Number:

22786-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18787

GenBank Accession Number:

BC132775

GeneID (NCBI):

54809

UNIPROT ID:

Q5K651

Full Name:

sterile alpha motif domain containing 9

Calculated MW:

1589 aa, 184 kDa

Observed MW:

148 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, HeLa cells

IHC : human ovary cancer tissue,

Background Information

Sterile alpha motif domain-containing protein 9 (SAMD9), also named as C7orf5, DRIF1, KIAA2004, OEF1, plays a role in growth factor signal transduction. SAMD9 is a ubiquitously expressed cytoplasmic protein encoded by two juxtaposed single-exon genes on chromosome 7q21 (PMID: 34675305). Overexpression of SAMD9 protein in tissue culture results in reduction of cell proliferation rate and invasion index, and increasing activity of caspase 3 (PMID: 25450373). An important paralog of this gene is SAMD9L. Observed MW of SAMD9 is from 148 kDa (PMID: 21248034).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

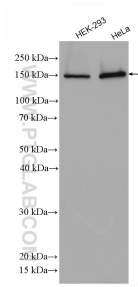
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

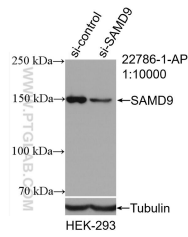
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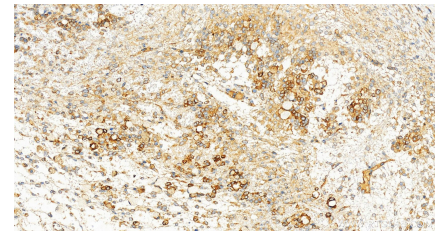
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22786-1-AP (SAM9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of SAM9 antibody (22786-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SAMD9 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 22786-1-AP (SAM9 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).