

For Research Use Only

SMOC2 Polyclonal antibody

Catalog Number: 31063-1-AP



Basic Information

Catalog Number:

31063-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34966

GenBank Accession Number:

BC047583

GeneID (NCBI):

64094

UNIPROT ID:

Q9H3U7

Full Name:

SPARC related modular calcium binding 2

Calculated MW:

50 kDa

Observed MW:

49-50 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : HCT 116 cells, mouse brain tissue, mouse ovary tissue

Background Information

Secreted modular calcium-binding protein 2 (SMOC2), which is a member of the secreted protein acidic and rich in cysteine (SPARC) family of matricellular proteins, interacts with matrix proteins, cell surface receptors, cytokines, proteasomes and other effector molecules to regulate cell-cell and cell-microenvironment communication (PMID: 36513634). It is expected to be located in extracellular space. The calculated molecular weight of SMOC2 is 50 kDa. In recent years, SMOC2 has been reported to be highly expressed in tumor tissues and to promote tumor migration, invasion and growth. In addition to its role in tumor progression, it also regulates wound healing, bone growth, fibrosis and embryogenesis (PMID: 36513634).

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

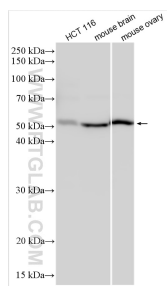
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31063-1-AP (SMOC2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.