

Rabbit anti-Human MOCS3 Polyclonal Antibody | anti-MOCS3 antibody

MOCS3 Antibody

CATALOG # AAA231398	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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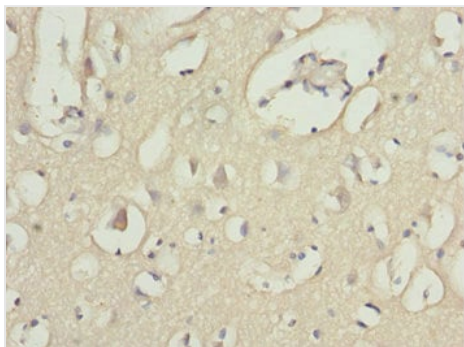
PRODUCT SYNONYMS

MOCS3; Polyclonal Antibody; MOCS3 Antibody; Adenylyltransferase and sulfurtransferase MOCS3; Molybdenum cofactor synthesis protein 3; anti-MOCS3 antibody

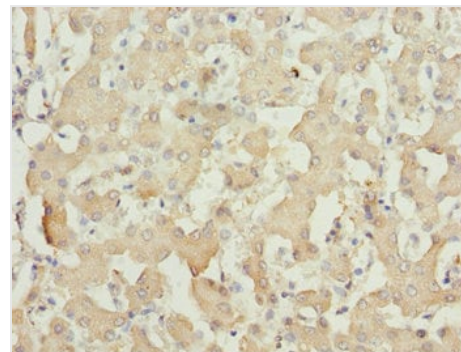
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	460
Applicable Applications for anti-MOCS3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Adenylyltransferase and sulfurtransferase MOCS3 protein (C-190AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-85764 / sc-85765
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

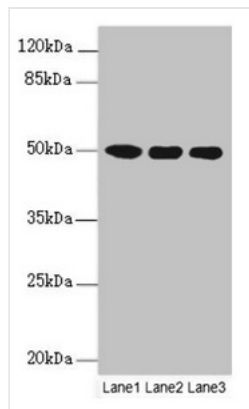
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA231398 at dilution 1:100


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver tissue using AAA231398 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: MOCS3 antibody at 4.25ug/mlLane 1 : A549 whole cell lysateLane 2 : HepG-2 whole cell lysateLane 3 : Jurkat whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 50 kDaObserved band size: 50 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MOCS3 antibody

Plays a central role in 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of cytosolic tRNA(Lys), tRNA(Glu) and tRNA(Gln). Also essential during biosynthesis of the molybdenum cofactor. Acts by mediating the C-terminal thiocarboxylation of sulfur carriers URM1 and MOCS2A. Its N-terminus first activates URM1 and MOCS2A as acyl-adenylates (-COAMP), then the persulfide sulfur on the catalytic cysteine is transferred to URM1 and MOCS2A to form thiocarboxylation (-COSH) of their C-terminus. The reaction probably involves hydrogen sulfide that is generated from the persulfide intermediate and that acts as nucleophile towards URM1 and MOCS2A. Subsequently, a transient disulfide bond is formed. Does not use thiosulfate as sulfur donor; NFS1 probably acting as a sulfur donor for thiocarboxylation reactions.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657339
NCBI GeneID	27304
NCBI Accession #	NP_055299.1
NCBI GenBank Nucleotide #	NM_014484.4
UniProt Accession #	O95396
Molecular Weight	49,669 Da
NCBI Official Full Name	adenylyltransferase and sulfurtransferase MOCS3
NCBI Official Synonym Full Names	molybdenum cofactor synthesis 3
NCBI Official Symbol	MOCS3
NCBI Official Synonym Symbols	UBA4
NCBI Protein Information	adenylyltransferase and sulfurtransferase MOCS3
UniProt Protein Name	Adenylyltransferase and sulfurtransferase MOCS3
UniProt Gene Name	MOCS3
UniProt Synonym Gene Names	MPT synthase sulfurylase
UniProt Entry Name	MOCS3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

