

Rabbit MOCS1 Polyclonal Antibody | anti-MOCS1 antibody

Anti-MOCS1 Antibody Picoband

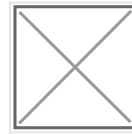
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19891	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

MOCS1; Polyclonal Antibody; Anti-MOCS1 Antibody Picoband; BAG family molecular chaperone regulator 5; C-C motif chemokine ligand 16 ; C-C motif chemokine 16; Chemokine CC-4; HCC-4; Chemokine LEC; IL-10-inducible chemokine; LCC-1; Liver-expressed chemokine; Lymphocyte and monocyte chemoattractant; LMC; Monotactin-1; MTN-1; NCC-4; Small-inducible cytokine A16; CCL16; ILINCK; NCC4; SCYA16; anti-MOCS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mainly expressed in liver, also found in spleen and thymus. Highly expressed in LPS- and IFN-gamma- activated monocytes, weakly in some lymphocytes, including natural killer cells, gamma-delta T-cells, and some T-cell clones.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MOCS1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human MOCS1 recombinant protein (Position: E52-R84).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Shows chemotactic activity for lymphocytes and monocytes but not neutrophils. Also shows potent myelosuppressive activity, suppresses proliferation of myeloid progenitor cells. Recombinant SCYA16 shows chemotactic activity for monocytes and THP-1 monocytes, but not for resting lymphocytes and neutrophils. Induces a calcium flux in THP-1 cells that were desensitized by prior expression to RANTES.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



IF (Immunofluorescence)

Figure 6. IF analysis of MOCS1 using anti-MOCS1 antibody (AAA19891). MOCS1 was detected in an immunocytochemical section of HepG2 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MOCS1 Antibody (AAA19891) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MOCS1 Antibody (AAA19891) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MOCS1 Antibody (AAA19891) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MOCS1 Antibody (AAA19891) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: human Jurkat whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: human K562 whole cell lysates, Lane 5: human U2OS whole cell lysates, Lane 6: human 293T whole cell lysates, Lane 7: human SH-SY5Y whole cell lysates, Lane 8: human RT4 whole cell lysates, Lane 9: rat liver tissue lysates, Lane 10: rat PC-12 whole cell lysates, Lane 11: mouse liver tissue lysates, Lane 12: mouse RAW264.7 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MOCS1 antigen affinity purified polyclonal antibody (#AAA19891) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MOCS1 at approximately 58 kDa. The expected band size for MOCS1 is at 70 kDa.

UniProt Accession #	Q9NZB8; O14940; O14941; O75710; Q5J7W0; Q5TCE1; Q5TCE2; Q5TCE6; Q5TCE9; Q5TCF0; B3KPT7; B4DTP1
Molecular Weight	70,105 Da
NCBI Official Full Name	molybdenum cofactor biosynthesis protein 1 isoform 4
NCBI Official Synonym Full Names	molybdenum cofactor synthesis 1
NCBI Official Symbol	MOCS1
NCBI Official Synonym Symbols	MIG11; MOCOD
NCBI Protein Information	molybdenum cofactor biosynthesis protein 1; MOCS1A enzyme; migration-inducing gene 11 protein; cell migration-inducing gene 11 protein; molybdenum cofactor biosynthesis protein A; molybdenum cofactor synthesis-step 1 protein A-B
UniProt Protein Name	Molybdenum cofactor biosynthesis protein 1
UniProt Gene Name	MOCS1
UniProt Entry Name	MOCS1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mocs1-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19891>