

Rabbit MIM/MTSS1 Polyclonal Antibody | anti-MTSS1 antibody

Anti-MIM/MTSS1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19512	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

MIM/MTSS1; Polyclonal Antibody; Anti-MIM/MTSS1 Antibody Picoband; anti-MTSS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-MTSS1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human, Mouse, Rat IHC-P: 2-5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human MIM/MTSS1 recombinant protein (Position: Q17-E692).
Preparation and Storage	Store 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.

IMAGES



FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of RT4 cells using anti-MIM/MTSS1 antibody (AAA19512). Overlay histogram showing RT4 cells stained with AAA19512 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MIM/MTSS1 Antibody (AAA19512, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



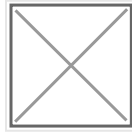
IHC (Immunohistochemistry)

Figure 5. IHC analysis of MIM/MTSS1 using anti-MIM/MTSS1 antibody (AAA19512). MIM/MTSS1 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MIM/MTSS1 Antibody (AAA19512) 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 with DAB as the chromogen.



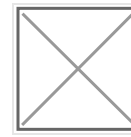
IHC (Immunohistochemistry)

Figure 4. IHC analysis of MIM/MTSS1 using anti-MIM/MTSS1 antibody (AAA19512).MIM/MTSS1 was detected in a paraffin-embedded section of human lymphoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MIM/MTSS1 Antibody (AAA19512) 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 with DAB as the chromogen.



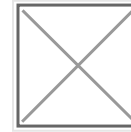
IHC (Immunohistochemistry)

Figure 2. IHC analysis of MIM/MTSS1 using anti-MIM/MTSS1 antibody (AAA19512).MIM/MTSS1 was detected in a paraffin-embedded section of human endometrial cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MIM/MTSS1 Antibody (AAA19512) 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 with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of MIM/MTSS1 using anti-MIM/MTSS1 antibody (AAA19512).MIM/MTSS1 was detected in a paraffin-embedded section of human gastric carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MIM/MTSS1 Antibody (AAA19512) 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 with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of MIM/MTSS1 using anti-MIM/MTSS1 antibody (AAA19512).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Jurkat whole cell lysates,Lane 2: human placenta tissue lysates,Lane 3: rat spleen tissue lysates,Lane 4: rat thymus tissue lysates,Lane 5: mouse thymus tissue 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-MIM/MTSS1 antigen affinity purified polyclonal antibody (#AAA19512) at 0.5 ug/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 MIM/MTSS1 at approximately 115 kDa. The expected band size for MIM/MTSS1 is at 82 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MTSS1 antibody	Metastasis suppressor protein 1 is a protein that in humans is encoded by the MTSS1 gene. Enables actin monomer binding activity; identical protein binding activity; and signaling receptor binding activity. Predicted to be involved in cellular response to fluid shear stress; negative regulation of epithelial cell proliferation; and urogenital system development. Predicted to act upstream of or within several processes, including actin filament polymerization; adherens junction maintenance; and magnesium ion homeostasis. Located in actin cytoskeleton.
Product Categories/Family for anti-MTSS1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	144226234
NCBI GeneID	9788
NCBI Accession #	NP_055566.3
NCBI GenBank Nucleotide #	NM_014751.5
UniProt Accession #	O43312; Q8TCA2; Q96RX2; J3KNK6
Molecular Weight	82,680 Da
NCBI Official Full Name	metastasis suppressor protein 1 isoform 2
NCBI Official Synonym Full Names	metastasis suppressor 1
NCBI Official Symbol	MTSS1
NCBI Official Synonym Symbols	MIM; MIMA; MIMB

NCBI Protein Information	metastasis suppressor protein 1; metastasis suppressor YGL-1; missing in metastasis protein
UniProt Protein Name	Metastasis suppressor protein 1
UniProt Gene Name	MTSS1
UniProt Synonym Gene Names	KIAA0429; MIM
UniProt Entry Name	MTSS1_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/mim-mtss1-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19512>