

Rabbit anti-Human, Rat MTCH2 Polyclonal Antibody | anti-MTCH2 antibody

Anti-MTCH2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19839	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

MTCH2; Polyclonal Antibody; Anti-MTCH2 Antibody Picoband; anti-MTCH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
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-MTCH2 antibody	ELISA, FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5ug/ml, Human IHC: 2-5ug/ml, Human, Rat ICC/IF: 5ug/ml, Human .IP: 0.5-2ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human MTCH2 recombinant protein (Position: M1-I303). Human MTCH2 shares 93.7% amino acid (aa) sequence identity with mouse MTCH2.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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.



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of PC-3 cells using anti-MTCH2 antibody (AAA19839). Overlay histogram showing PC-3 cells stained with AAA19839 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MTCH2 Antibody (AAA19839, 1ug/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 (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IP (Immunoprecipitation)

Figure 6. Immunoprecipitating MTCH2 in Hela whole cell lysate .Western blot analysis of MTCH2 using anti-MTCH2 antibody (AAA19839). Lane 1: Hela whole cell lysates (30ug) Lane 2: Rabbit control IgG instead of anti-MTCH2 antibody in Hela whole cell lysate. Lane 3: anti-MTCH2 antibody (2ug) + Hela whole cell lysate (500ug) After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MTCH2 antigen affinity purified polyclonal antibody (AAA19839) at a dilution of 0.5ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MTCH2 Antibody (AAA19839) 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-MTCH2 Antibody (AAA19839) 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-MTCH2 Antibody (AAA19839) 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 Hela whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human PC-3 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-MTCH2 antigen affinity purified polyclonal antibody (#AAA19839) 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 MTCH2 at approximately 33 kDa. The expected band size for MTCH2 is at 33 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MTCH2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MTCH2 antibody	Primary Antibodies
References	1. Willer, C. J., Speliotes, E. K., Loos, R. J. F., Li, S., Lindgren, C. M., Heid, I. M., Berndt, S. I., Elliott, A. L., Jackson, A. U., Lamina, C., Lettre, G., Lim, N., and 134 others. Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. Nature Genet. 41: 25-34, 2009. 2. Yerushalmi, G. M., Leibowitz-Amit, R., Shaharabany, M., Tsarfaty, I. Met-HGF/SF signal transduction induces Mimp, a novel mitochondrial carrier homologue, which leads to mitochondrial depolarization. Neoplasia 4: 510-522, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657347
NCBI GeneID	23788
NCBI Accession #	NP_055157.1
NCBI GenBank Nucleotide #	NM_014342.3
UniProt Accession #	Q9Y6C9; B2R7L8
Molecular Weight	33,331 Da
NCBI Official Full Name	mitochondrial carrier homolog 2

NCBI Official Synonym Full Names	mitochondrial carrier 2
NCBI Official Symbol	MTCH2
NCBI Official Synonym Symbols	MIMP; HSPC032; SLC25A50
NCBI Protein Information	mitochondrial carrier homolog 2; 2310034D24Rik; met-induced mitochondrial protein; solute carrier family 25, member 50
UniProt Protein Name	Mitochondrial carrier homolog 2
UniProt Gene Name	MTCH2
UniProt Synonym Gene Names	MIMP
UniProt Entry Name	MTCH2_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/mtch2-antibody-flow-cytometry-immunoprecipitation-immunofluorescence-immunohistochemistry-immunocytochemistry-western-blot-elisa/19839>