

Rabbit MASTL Polyclonal Antibody | anti-MASTL antibody

Anti-MASTL Antibody Picoband

CATALOG # AAA127239	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, 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-MASTL antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human MASTL recombinant protein (Position: E34-L872). Human MASTL shares 75.1% amino acid (aa) sequence identity with mouse MASTL.
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.

IMAGES



WB (Western Blot)

Figure 2. Western blot analysis of MASTL using anti-MASTL antibody (AAA127239). 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 U2OS whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human SIHA 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-MASTL antigen affinity purified polyclonal antibody (#AAA127239) 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 MASTL at approximately 110 kDa. The expected band size for MASTL is at 96 kDa.



WB (Western Blot)

Figure 1. Western blot analysis of MASTL using anti-MASTL antibody (AAA127239). 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 HepG2 whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human MCF-7 whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse testis tissue lysates, Lane 8: mouse NIH/3T3 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-MASTL antigen affinity purified polyclonal antibody (#AAA127239) 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 MASTL at approximately 110 kDa. The expected band size for MASTL is at 96 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MASTL 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-MASTL antibody	Primary Antibodies
References	1. Di Paola, J., Johnson, J. Thrombocytopenias due to gray platelet syndrome or THC2 mutations. Semin. Thromb. Hemost. 37: 690-697, 2011. 2. Drachman, J. G., Jarvik, G. P., Mehaffey, M. G. Autosomal dominant thrombocytopenia: incomplete megakaryocyte differentiation and linkage to human chromosome 10. Blood 96: 118-125, 2000.3. Gandhi, M. J., Cummings, C. L., Drachman, J. G. FLJ14813 missense mutation: a candidate for autosomal dominant thrombocytopenia on human chromosome 10. Hum. Hered. 55: 66-70, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	288806587
NCBI GeneID	84930
NCBI Accession #	NP_001165774.1
NCBI GenBank Nucleotide #	NM_001172303.1
UniProt Accession #	Q96GX5; Q5T8D5; Q5T8D7; Q8NCD6; Q96SJ5
Molecular Weight	97,319 Da
NCBI Official Full Name	serine/threonine-protein kinase greatwall isoform 1
NCBI Official Synonym Full Names	microtubule associated serine/threonine kinase-like
NCBI Official Symbol	MASTL
NCBI Official Synonym Symbols	GW; GWL; THC2; hGWL; MAST-L; GREATWALL; RP11-85G18.2
NCBI Protein Information	serine/threonine-protein kinase greatwall; greatwall protein kinase; microtubule-associated serine/threonine-protein kinase-like
UniProt Protein Name	Serine/threonine-protein kinase greatwall
UniProt Gene Name	MASTL
UniProt Synonym Gene Names	GW; GWL; THC2; GW; GWL; hGWL; MAST-L
UniProt Entry Name	GWL_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.