

Rabbit anti-Human CMTM4 Polyclonal Antibody | anti-CMTM4 antibody

CMTM4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322502	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

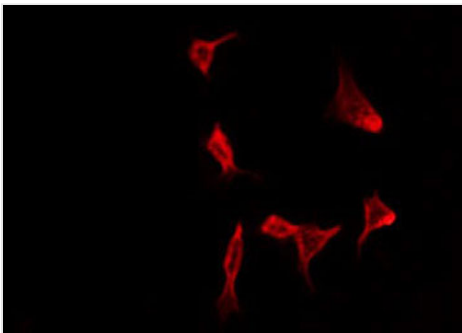
PRODUCT SYNONYMS

CMTM4; Polyclonal Antibody; CMTM4 Antibody; Chemokine like factor super family 4; Chemokine-like factor superfamily member 4; CKLF-like MARVEL transmembrane domain containing 4; CKLF4; CKLFSF4; anti-CMTM4 antibody

PRODUCT SPECIFICATIONS

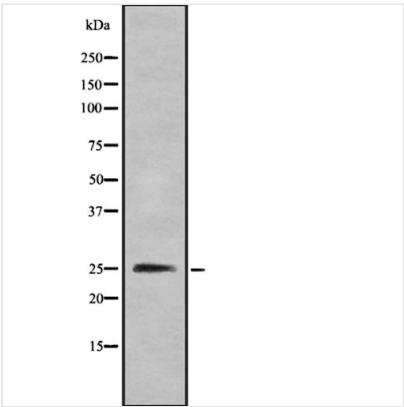
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CMTM4 antibody detects endogenous levels of total CMTM4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	234
Applicable Applications for anti-CMTM4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CMTM4
Tissue Specificity	Highly expressed in testis and prostate.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Chicken
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322502 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of CMTM4 using HeLa whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CMTM4 antibody

Function: Acts as a backup for CMTM6 to regulate plasma membrane expression of PD-L1/CD274, an immune inhibitory ligand critical for immune tolerance to self and antitumor immunity. May protect PD-L1/CD274 from being polyubiquitinated and targeted for degradation.
Subunit Structure: Interacts with PD-L1/CD274 and CMTM6.
Similarity: Belongs to the chemokine-like factor family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30520333
NCBI GeneID	146223
NCBI Accession #	NP_848933.1
NCBI GenBank Nucleotide #	NM_178818.2
UniProt Accession #	Q8IZR5; Q52M40; Q8IZR4; Q8IZV1
Molecular Weight	Observed: 25 kDa Predicted: 26 kDa
NCBI Official Full Name	CKLF-like MARVEL transmembrane domain-containing protein 4 isoform 1
NCBI Official Synonym Full Names	CKLF like MARVEL transmembrane domain containing 4
NCBI Official Symbol	CMTM4
NCBI Official Synonym Symbols	CKLFSF4
NCBI Protein Information	CKLF-like MARVEL transmembrane domain-containing protein 4
UniProt Protein Name	CKLF-like MARVEL transmembrane domain-containing protein 4
UniProt Gene Name	CMTM4

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.