

Anti-CMTM4 Antibody

Rabbit polyclonal antibody to CMTM4

Catalog # AP60757

Product Information

Application	WB, IHC
Primary Accession	Q8IZR5
Other Accession	Q8CJ61
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25828

Additional Information

Gene ID	146223
Other Names	CKLFSF4; CKLF-like MARVEL transmembrane domain-containing protein 4; Chemokine-like factor superfamily member 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CMTM4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

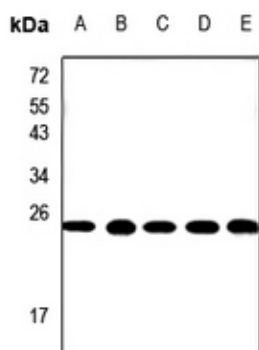
Protein Information

Name	CMTM4 (HGNC:19175)
Synonyms	CKLFSF4
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.
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Highly expressed in testis and prostate.

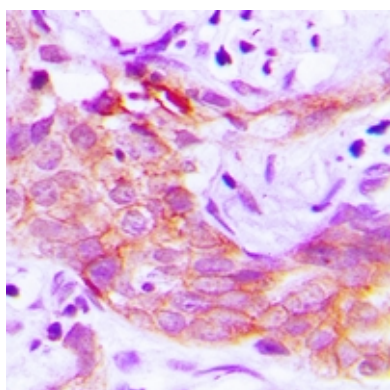
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CMTM4. The exact sequence is proprietary.

Images



Western blot analysis of CMTM4 expression in rat testis (A), CT26 (B), PC3 (C), MCF7 (D), A549 (E) whole cell lysates.



Immunohistochemical analysis of CMTM4 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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