

CMTM5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CKLFSF5.

Catalog # AT1567a

Product Information

Application	WB, E
Primary Accession	Q96DZ9
Other Accession	BC013109
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2G1-6B10
Calculated MW	24653

Additional Information

Gene ID	116173
Other Names	CKLF-like MARVEL transmembrane domain-containing protein 5, Chemokine-like factor superfamily member 5, CMTM5, CKLFSF5
Target/Specificity	CKLFSF5 (AAH13109, 1 a.a. ~ 156 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CMTM5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

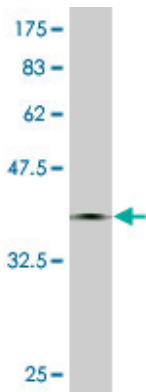
This gene belongs to the chemokine-like factor gene superfamily. This family of genes encodes multi-pass membrane proteins that are similar to both the chemokine and the transmembrane 4 superfamilies of signaling molecules. Alternate transcriptional splice variants of this gene, encoding different isoforms, have been characterized.

References

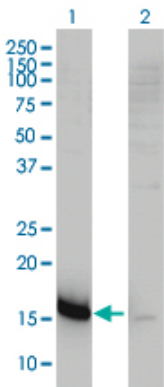
CMTM5-v1, a four-transmembrane protein, presents a secreted form released via a vesicle-mediated secretory pathway. Li H, et al. BMB Rep, 2010 Mar. PMID 20356458.CMTM5 induces apoptosis of pancreatic

cancer cells and has synergistic effects with TNF-alpha. Guo X, et al. Biochem Biophys Res Commun, 2009 Sep 11. PMID 19577543.CMTM5-v1 induces apoptosis in cervical carcinoma cells. Shao L, et al. Biochem Biophys Res Commun, 2009 Feb 20. PMID 19124004.CMTM5 exhibits tumor suppressor activities and is frequently silenced by methylation in carcinoma cell lines. Shao L, et al. Clin Cancer Res, 2007 Oct 1. PMID 17908965.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Images

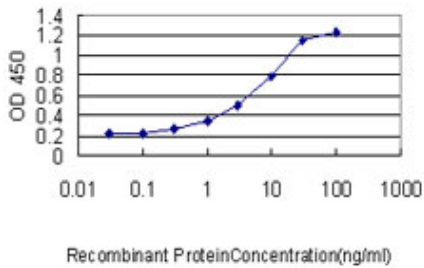


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (42.9 KDa) .



Western Blot analysis of CMTM5 expression in transfected 293T cell line by CKLFSF5 monoclonal antibody (M01), clone 2G1-6B10.

Lane 1: CMTM5 transfected lysate(17 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CMTM5 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.