



Rabbit Anti-MCTP2 antibody

SL18738R

Product Name:	MCTP2
Chinese Name:	MCTP2蛋白抗体
Alias:	FLJ11175; FLJ33303; MGC111402; Multiple C2 and transmembrane domain containing protein 2; Multiple C2 domains, transmembrane 2; Multiple C2-domains with two transmembrane regions 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	100kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MCTP2:601-700/878
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	MCTP2 is an 878 amino acid multi-pass membrane protein that belongs to the MCTP family. Existing as five alternatively spliced isoforms, MCTP1 binds calcium via its C2 domains in the absence of phospholipids, and is encoded by a gene that maps to human chromosome 15q26.2. Chromosome 15 houses over 700 genes and comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs

disease and Marfan syndrome are all associated with defects in chromosome 15-localized genes.

Function:

MCTP2 contains C2 domains which bind calcium in the absence of phospholipids. There are 5 isoforms produced by alternative splicing.

Subcellular Location:

Cell Membrane; multipass membrane protein

Similarity:

Belongs to the MCTP family.
Contains 3 C2 domains.

SWISS:

Q6DN12

Gene ID:

55784

Database links:

[Entrez Gene: 55784](#) Human

[Entrez Gene: 244049](#) Mouse

[Entrez Gene: 308742](#) Rat

[SwissProt: Q6DN12](#) Human

[SwissProt: Q5RJH2](#) Mouse

[Unigene: 592017](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.