



Rabbit Anti-MCTP1 antibody

SL18737R

Product Name:	MCTP1
Chinese Name:	MCTP1 蛋白抗体
Alias:	2810465F10Rik; FLJ22344; MCTP 1; Multiple C2 and transmembrane domain containing protein 1; Multiple C2 domains transmembrane 1; Multiple C2 domains with two transmembrane regions 1; OTTMUSP00000031345; RGD1305199.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
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:	115kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MCTP1:901-999/999
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:	MCTP1 is a 999 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. The gene encoding MCTP1 maps to human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome,

while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

Function:

MCTP1 binds calcium via the C2 domains in the absence of phospholipids. There are 5 named isoforms.

Subcellular Location:

Membrane; Multi-pass membrane protein.

SWISS:

Q6DN14

Gene ID:

79772

Database links:

[Entrez Gene: 79772](#) Human

[Entrez Gene: 78771](#) Mouse

[Entrez Gene: 309928](#) Rat

[SwissProt: Q6DN14](#) Human

Important Note:

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