

For Research Use Only

BTN1A1 Polyclonal antibody

Catalog Number: 26687-1-AP

1 Publications



Basic Information

Catalog Number:

26687-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24613

GenBank Accession Number:

BC096312

GeneID (NCBI):

696

UNIPROT ID:

Q13410

Full Name:

butyrophilin, subfamily 1, member A1

Calculated MW:

526 aa, 59 kDa

Observed MW:

65-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB: Caco-2 cells,

Background Information

BTN1A1, also named as Butyrophilin subfamily 1 member A1, is a 526 amino acid protein, which contains 1 B30.2/SPRY domain and belongs to the immunoglobulin superfamily. BTN/MOG family. BTN1A1 localizes in the integral component of plasma membrane. BTN1A1 may function in the secretion of milk-fat droplets and may act as a specific membrane-associated receptor for the association of cytoplasmic droplets with the apical plasma membrane. BTN1A1 Inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion. The calculated molecular weight of BTN1A1 is a 59 kDa, but the modified BTN1A1 protein is about 65-75 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Saho Furukawa	38219490	Biochem Biophys Res Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

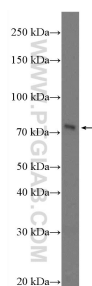
For technical support and original validation data for this product please contact:

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Selected Validation Data



Caco-2 cells were subjected to SDS PAGE followed by western blot with 26687-1-AP (BTN1A1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.