

# BTN1A1 Polyclonal antibody

Catalog Number: 26687-1-AP

1 Publications

## Basic Information

## Catalog Number:

26687-1-AP

## Size:

400 µg/ml

## 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

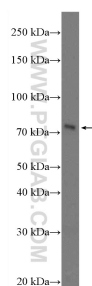
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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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.