

For Research Use Only

# BTN1A1 Polyclonal antibody

Catalog Number: 26687-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 26687-1-AP	<b>GenBank Accession Number:</b> BC096312	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 696	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13410	
<b>Isotype:</b> IgG	<b>Full Name:</b> butyrophilin, subfamily 1, member A1	
<b>Immunogen Catalog Number:</b> AG24613	<b>Calculated MW:</b> 526 aa, 59 kDa	
	<b>Observed MW:</b> 65-75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Caco-2 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> mouse	

## 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

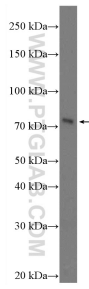
## Storage

**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 W: 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.