

For Research Use Only

BTN1A1 Polyclonal antibody

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



Basic Information

Catalog Number: 26687-1-AP	GenBank Accession Number: BC096312	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 696	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: butyrophilin, subfamily 1, member A1	
Isotype: IgG	Calculated MW: 526 aa, 59 kDa	
Immunogen Catalog Number: AG24613	Observed MW: 65-75 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Caco-2 cells,
Cited Applications: WB	
Species Specificity: human	
Cited Species: 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

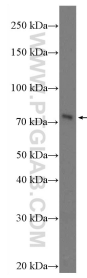
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Caco-2 cells were subjected to SDS PAGE followed by western blot with 26687-1-AP (BTN1A 1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.