

For Research Use Only

BTN2A2 Polyclonal antibody

Catalog Number: 16482-1-AP



Basic Information

Catalog Number: 16482-1-AP	GenBank Accession Number: BC014021	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10385	Recommended Dilutions: WB 1:500-1:1000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8WVV5	
Isotype: IgG	Full Name: butyrophilin, subfamily 2, member A2	
Immunogen Catalog Number: AG9603	Calculated MW: 523 aa, 59 kDa	
	Observed MW: 59 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : MCF7 cells, NIH/3T3 cells, MCF-7 cells, human testis tissue
Species Specificity: human, mouse, rat	IF/ICC : HepG2 cells,

Background Information

Butyrophilins constitute a family of transmembrane proteins consisting of butyrophilin (BTN), BTN-like (BTNL), and selection and upkeep of intraepithelial T cell (SKI NT) proteins. It has been reported that BTN2A2 is expressed on B cells, DCs, and macrophages and the expression levels are upregulated upon activation. BTN2A2 is also expressed on thymic epithelial cells (TECs). The BTN2A2 putative receptor is expressed on activated T cells. BTN2A2 protein inhibits T cell proliferation, metabolism and Th1 cytokine production (PMID: 34588505). The calculated MW of BTN2A2 is 59kDa, and the glycosylated form is around 65kDa (PMID:20208008).

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)

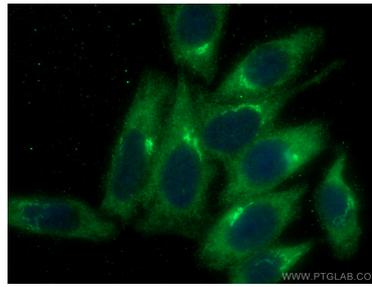
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 16482-1-AP (BTN2A2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using BTN2A2 antibody (16482-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).