

Anti-BTN2A2 Antibody

Catalog # AP95708

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q8WVV5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	59070

Additional Information

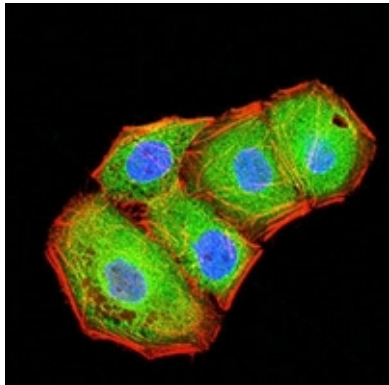
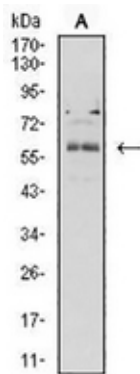
Gene ID	10385
Other Names	BT2.2; BTF2; Butyrophilin subfamily 2 member A2
Target/Specificity	Recombinant fusion protein of human BTN2A2 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

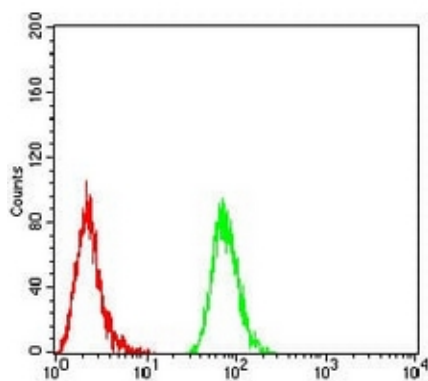
Name	BTN2A2
Synonyms	BT2.2, BTF2
Function	Inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in brain, bone marrow, small intestine, muscle, spleen and pancreas. Moderate expression was seen in lung, liver and kidney.

Images

Western blot analysis of BTN2A2 expression in K562 (A) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 59 kD)



Immunofluorescent analysis of BTN2A2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-BTN2A2 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.