

## BTN2A1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16288b

## **Specification**

# BTN2A1 Antibody (C-term) - Product Information

**Application** WB,E **Primary Accession** O7KYR7 NP 008980.1 Other Accession Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 59633 Antigen Region 344-373

## BTN2A1 Antibody (C-term) - Additional Information

#### **Gene ID 11120**

### **Other Names**

Butyrophilin subfamily 2 member A1, BTN2A1, BT21, BTF1

### Target/Specificity

This BTN2A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 344-373 amino acids from the C-terminal region of human BTN2A1.

# **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

BTN2A1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## BTN2A1 Antibody (C-term) - Protein Information

Name BTN2A1

Synonyms BT2.1, BTF1



**Cellular Location** 

Membrane; Single-pass type I membrane protein

#### **Tissue Location**

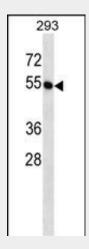
Highly expressed in brain, bone marrow, small intestine, muscle, spleen and pancreas. Moderate expression was seen in lung, liver and kidney.

# BTN2A1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# BTN2A1 Antibody (C-term) - Images



BTN2A1 Antibody (C-term) (Cat. #AP16288b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the BTN2A1 antibody detected the BTN2A1 protein (arrow).

### BTN2A1 Antibody (C-term) - Background

BTN2A1 is a member of the BTN2 subfamily of genes, which encode proteins belonging to the butyrophilin protein family. The gene is located in a cluster on chromosome 6, consisting of seven genes belonging to the expanding B7/butyrophilin-like group, a subset of the immunoglobulin gene superfamily. The encoded protein is an integral plasma membrane B box protein involved in lipid, fatty-acid and sterol metabolism. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## BTN2A1 Antibody (C-term) - References

Benyamin, B., et al. Am. J. Hum. Genet. 84(1):60-65(2009)





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Malcherek, G., et al. J. Immunol. 179(6):3804-3811(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Mungall, A.J., et al. Nature 425(6960):805-811(2003) Rhodes, D.A., et al. Genomics 71(3):351-362(2001)