

BTN2A2
Purified Mouse Monoclonal Antibody
Catalog # AO2730a

Specification

BTN2A2 - Product Information

Application	E, WB, IHC
Primary Accession	O8WVV5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	59kDa KDa

Immunogen

Purified recombinant fragment of human BTN2A2 (AA: extra 57-237) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

BTN2A2 - Additional Information

Gene ID 10385

Other Names

BTf2; BT2.2; BTN2.2

Dilution

E~~ 1/10000
WB~~ 1/500 - 1/2000
IHC~~ 1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BTN2A2 is for research use only and not for use in diagnostic or therapeutic procedures.

BTN2A2 - 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.

BTN2A2 - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BTN2A2 - Images

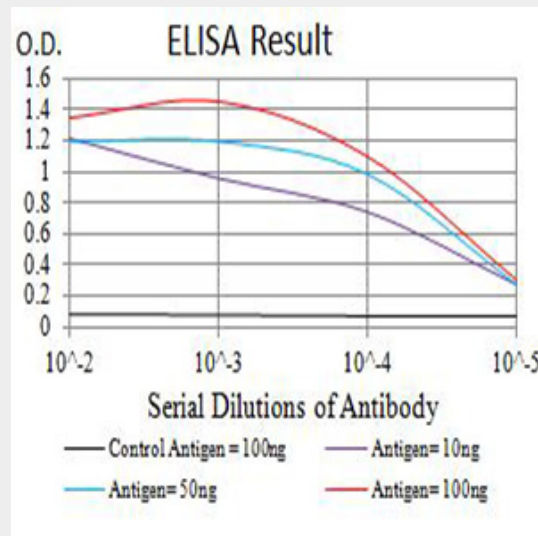


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

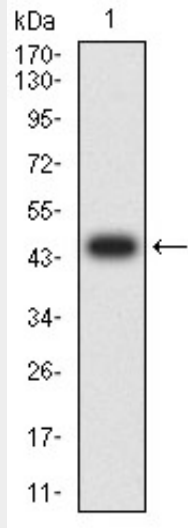


Figure 2:Western blot analysis using BTN2A2 mAb against human BTN2A2 (AA: extra 57-237) recombinant protein. (Expected MW is 46.4 kDa)

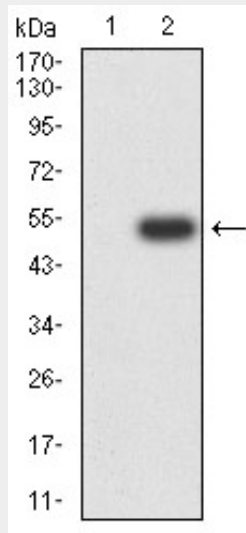


Figure 3:Western blot analysis using BTN2A2 mAb against HEK293 (1) and BTN2A2 (AA: extra 57-237)-hlgGfc transfected HEK293 (2) cell lysate.

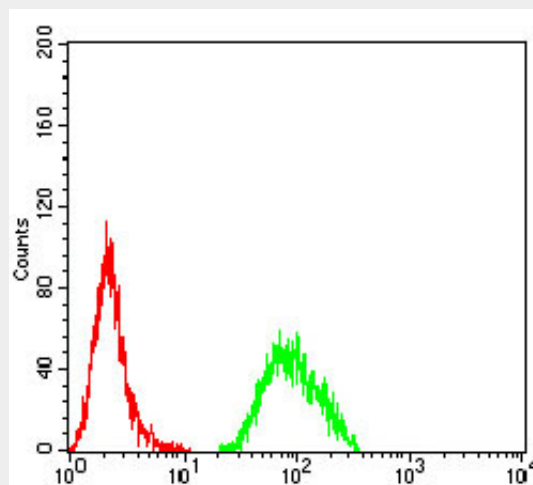


Figure 4:Flow cytometric analysis of HeLa cells using BTN2A2 mouse mAb (green) and negative

control (red).

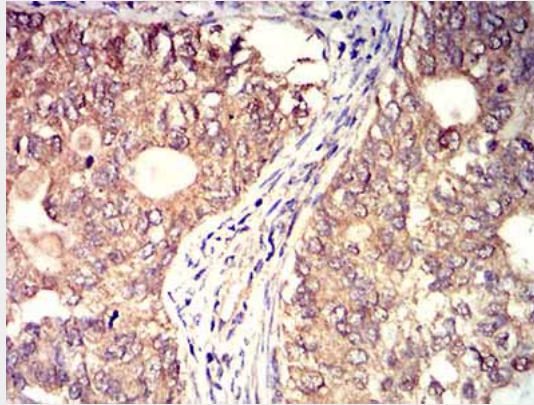
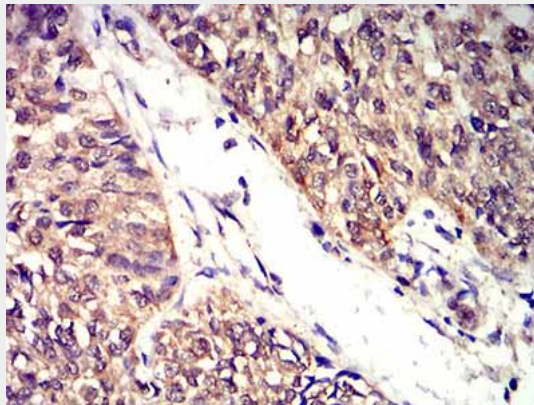


Figure 5: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using BTN2A2 mouse mAb with DAB staining.



1/200 - 1/1000

BTN2A2 - References

1. J Exp Med. 2016 Feb 8;213(2):177-87. 2. Proteomics. 2002 Jul;2(7):850-6.