

# Anti-BTN2A2 antibody



Catalog Number: 175070

## Product name

Anti-BTN2A2 antibody

## Specificity

Human

## Antibody description

Mouse monoclonal antibody to BTN2A2

## Preparation

This antigen of this antibody was purified recombinant fragment of human btn2a2 (aa: extra 57-237) expressed in e. coli.

## Formulation

Liquid, 1\*PBS with 0.05% sodium azide.

## Storage

Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

## Clonality

Monoclonal

## Ig Type

Mouse IgG2a

## Applications

WB, ICC, FC

## Dilutions

WB: 1:500-1:2,000

ICC: 1:50-1:200

FC: 1:100-1:200

## Validations

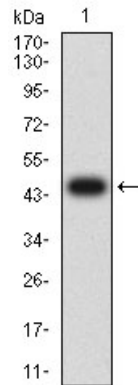
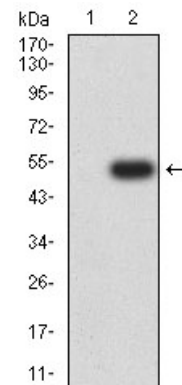


Fig1: Western blot analysis of BTN2A2 against human BTN2A2 (AA: extra 57-237) recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour



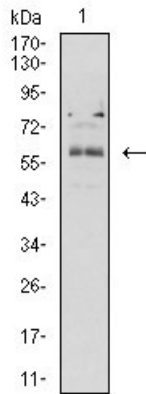
at room temperature.

Fig2: Western blot analysis of BTN2A2 against HEK293 (1) and BTN2A2 (AA: extra 57-237)-hIgGFc transfected HEK293 (2) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour

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at room temperature.

Fig3: Western blot analysis of BTN2A2 against K562 (1) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody ( 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

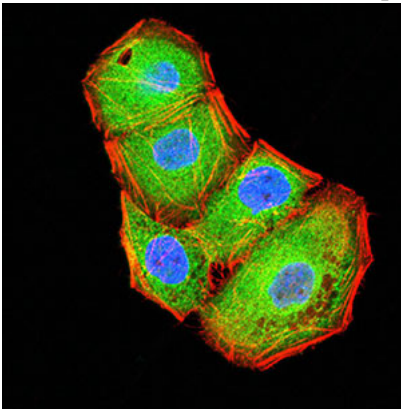


Fig4: Immunocytochemistry staining of BTN2A2 in

HeLa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody ( 1/100) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Mouse IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue), Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

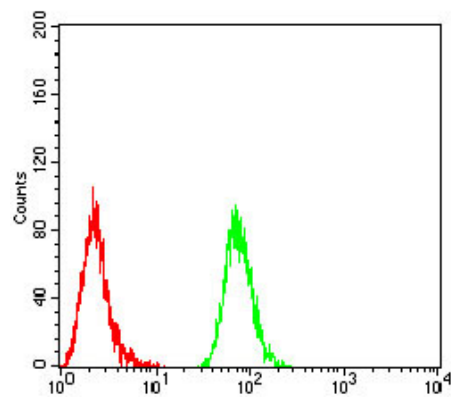


Fig5: Flow cytometric analysis of BTN2A2 was done on HeLa cells. The cells were fixed, permeabilized and stained with the primary antibody ( 1/100) (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-Mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; red).