

Anti-BRN3A Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Rabbit)
Molecular Weight: Theoretical: 43 kDa. Actual: 33 kDa.
Purification: Protein A purified

Applications

1. Blank control: Jurkat.
Primary Antibody (green line): Rabbit Anti-BRN3A antibody (TMAB-00251)
Dilution: 1 $\mu\text{g}/10^6$ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-FITC
Dilution: 1 $\mu\text{g}/\text{test}$.

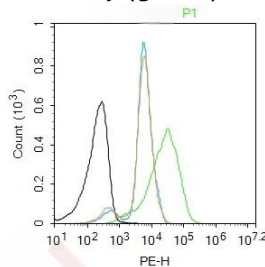
Protocol

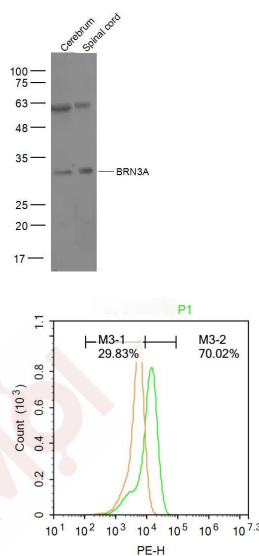
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C . The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Verified Activity:

2. Sample: Cerebrum (Mouse) Lysate at 40 μg Spinal cord (Mouse) Lysate at 40 μg
Primary: Anti-BRN3A (TMAB-00251) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 43 kDa
Observed band size: 33 kDa

3. U-937 cells were fixed with 4% PFA for 10 min at room temperature, permeabilized with 90% ice-cold methanol for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with BRN3A Antibody (TMAB-00251) at 1:500 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).





Application: FCM,IF,IHC-Fr,WB

Recommended WB: 1:500-2000; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1ug/test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human BRN3A

Antigen Species: Human

Gene ID: 5457

Uniprot ID: Q01851

Synonyms: Brn 3.0;BRN 3A;OctT1;Brn3;RDC 1;Brain specific homeobox/POU domain protein 3A;POU4F1; Oct T1;RDC1;Homeobox/POU domain protein RDC1;Homeobox/POU domain protein RDC 1;POU Domain Class 4 Transcription Factor 1

Biology Area: POU,Neural Stem Cell marker,Neurogenesis

Research Background

This gene encodes a member of the POU-IV class of neural transcription factors. This protein is expressed in a subset of retinal ganglion cells and may be involved in the developing sensory nervous system. This protein may also promote the growth of cervical tumors. A translocation of this gene is associated with some adult acute myeloid leukemias. [provided by RefSeq, Mar 2012].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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