

Product Datasheet

Endophilin B1/Bif-1 Antibody NB100-820

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 3

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NB100-820

Endophilin B1/Bif-1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

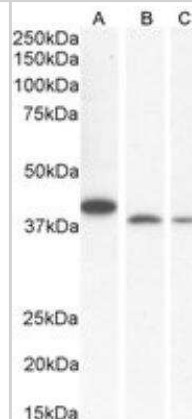
Product Description	
Description	Novus Biologicals Goat Endophilin B1/Bif-1 Antibody (NB100-820) is a polyclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-Endophilin B1/Bif-1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	51100
Gene Symbol	SH3GLB1
Species	Human, Mouse, Rat
Immunogen	Peptide with sequence C-QKGGKVPITYLELLN corresponding to C-Terminus according to NP_057093.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 2.5 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 38 kDa band observed in lysates of human T-cell line Jurkat and in human lung and placenta (calculated MW of 40.8 kDa band according to NP_057093.1). A minor band of unknown identity was also consistently observed at 50 kDa band in Jurkat and placenta. This band was successfully blocked by incubation with the immunizing peptide.

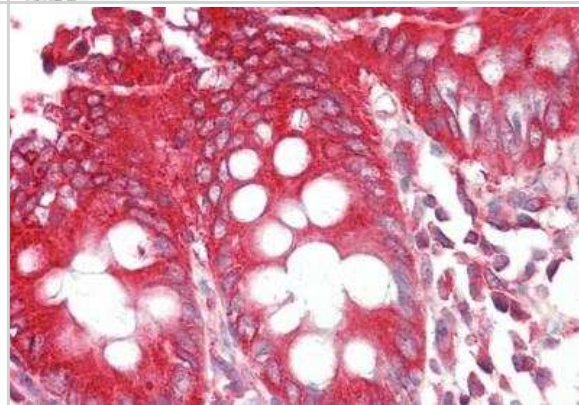


Images

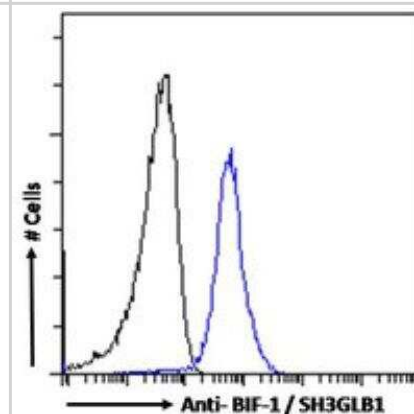
Western Blot: Endophilin B1/Bif-1 Antibody [NB100-820] - Staining of NIH3T3 (A), RAW264.7 (B) and KNRK (C) cell lysate with antibody at 0.1 ug/mL. RIPA buffer, 35 ug total protein per lane. Detected by chemiluminescence.



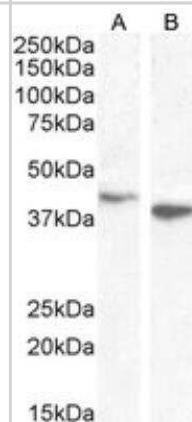
Immunohistochemistry-Paraffin: Endophilin B1/Bif-1 Antibody [NB100-820] - Staining of paraffin embedded Human Colon. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Flow Cytometry: Endophilin B1/Bif-1 Antibody [NB100-820] - Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: Endophilin B1/Bif-1 Antibody [NB100-820] - Staining of HEK293 (A) and A431 (B) cell lysate with antibody at 0.1 ug/mL. RIPA buffer, 35 ug total protein per lane. Detected by chemiluminescence.



Publications

Lu H Samanta D Xiang L et al. Chemotherapy triggers HIF-1-dependent glutathione synthesis and copper chelation that induces the breast cancer stem cell phenotype. *Proc Natl Acad Sci U S A*. 2015-07-30 [PMID: 26229077]

Cohen TV, Kollias HD, Liu N et al. Genetic disruption of Smad7 impairs skeletal muscle growth and regeneration *J. Physiol. (Lond.)* 2015-04-08 [PMID: 25854148]

Takahashi Y, Karbowski M, Yamaguchi H et al. Loss of Bif-1 suppresses Bax/Bak conformational change and mitochondrial apoptosis. *Mol Cell Biol* 2005-11-01 [PMID: 16227588]





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Products Related to NB100-820

NB800-PC2	Jurkat Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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