

Product Datasheet

IBTK Antibody - BSA Free NBP1-88512

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-88512

IBTK Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

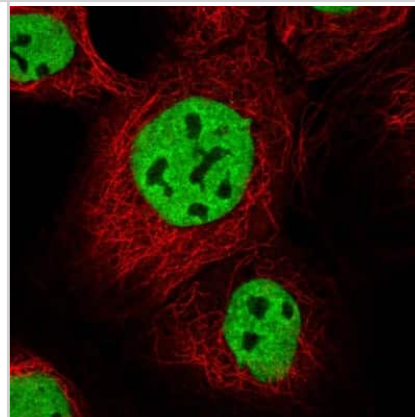
Product Description	
Host	Rabbit
Gene ID	25998
Gene Symbol	IBTK
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30975981).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LKEICEVALTEKLTNKNAAMLLEFAAMYSKQLKLSCLQFIGLNMAALLEARSLD VLSDGVLKDLSEFYRKMIPAMDRRVITPYQDGPDISYLEVEDGDIFLKEEINMEQ NHSETMFKKAK

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 28710282). Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation Reported in scientific literature (PMID: 28710282). Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in U-251, separated by Size, antibody dilution of 1:20. Separated by Size-Wes, Sally Sue/Peggy Sue.

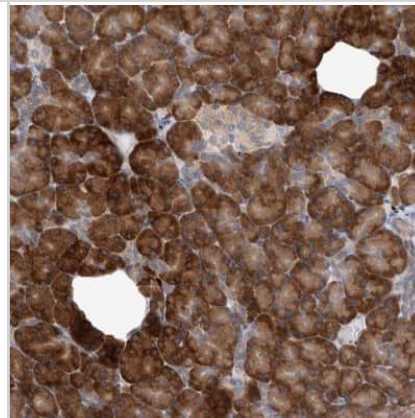


Images

Immunocytochemistry/Immunofluorescence: IBTK Antibody [NBP1-88512] - Staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green.



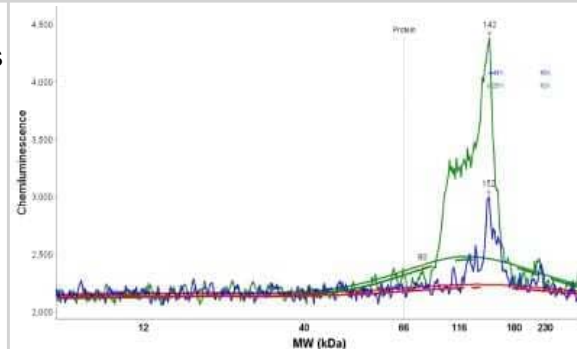
Immunohistochemistry-Paraffin: IBTK Antibody [NBP1-88512] - Staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.



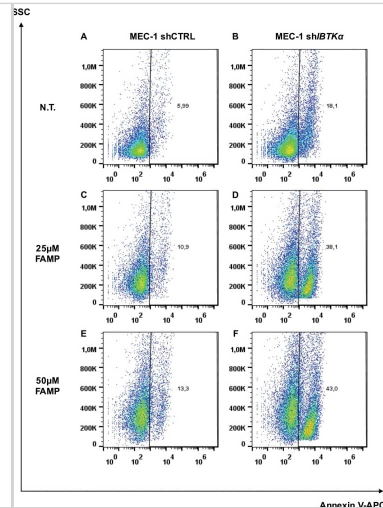
Simple Western: IBTK Antibody [NBP1-88512] - Simple Western lane view shows a specific band for IBTK in 0.2 mg/ml of U-251 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: IBTK Antibody [NBP1-88512] - Electropherogram image(s) of corresponding Simple Western lane view. IBTK antibody was used at 1:20 dilution on U-251 lysate(s).



Flow Cytometry: IBTK Antibody [NBP1-88512] - IBTK α RNA interference increases spontaneous & fludarabine-induced apoptosis in MEC-1 CLL cells MEC-1 cells were transduced with TurboGFP-shCTRL or TurboGFP-shIBTK α (Sigma-Aldrich), & after 5 days were left untreated (N.T.) a, b or 72 h-treated with Fludarabine at 25 μ M c & d or 50 μ M e, f. Then, cells were collected, stained with Annexin-V-APC & analysed by flow cytometry. Binding of Annexin-V-APC was measured for GFP-positive cells, as positive control of transduction. A representative experiment of three independent experiments is shown. Statistically significant differences were assessed using Mann-Whitney test (GraphPad Prism 6), as follows: a vs. bp = 0.0043; c vs. dp = 0.0002; e vs. fp = 0.0001 Image collected & cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41419-017-0026-3>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Vecchio, E;Golino, G;Pisano, A;Albano, F;Falcone, C;Ceglia, S;Iaccino, E;Mimmi, S;Fiume, G;Giurato, G;Britti, D;Scala, G;Quinto, I; IBTK contributes to B-cell lymphomagenesis in E mu-myc transgenic mice conferring resistance to apoptosis Cell Death Dis 2019-04-11 [PMID: 30975981] (ICC/IF, Mouse)

Albano F, Chiurazzi F, Mimmi S et al. The expression of inhibitor of bruton's tyrosine kinase gene is progressively up regulated in the clinical course of chronic lymphocytic leukaemia conferring resistance to apoptosis Cell Death Dis 2018-01-09 [PMID: 29317636] (ICC/IF, Human)

Willy JA, Young SK, Mosley AL et al. Function of Inhibitor of Brutons Tyrosine Kinase Isoform alpha (IBTKalpha) in Nonalcoholic Steatohepatitis links Autophagy and the Unfolded Protein Response J. Biol. Chem. 2017-07-14 [PMID: 28710282] (WB, IP, Human)



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Products Related to NBP1-88512

NBP1-88512PEP	IBTK Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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