

Product Datasheet

B-Raf Antibody - BSA Free NBP1-89942

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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NBP1-89942

B-Raf 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	
Description	Novus Biologicals Rabbit B-Raf Antibody - BSA Free (NBP1-89942) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-B-Raf Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	673
Gene Symbol	BRAF
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PIPQEEASLAETALTSGSSPSAPASDSIGPQILTSPSPSKSIPIQPFRPADEDHR NQFGQRDRSSSAPNVHINTIEPVNIDDLIRDQGFGRDGGSTTGLSATPPASLPG SLTNVKALQKSPGPQRERKSSSSSEDRNRMKTLGRRDSS

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. 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 RT-4 and U-251MG, separated by Size, antibody dilution of 1:20, apparent MW was 96 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

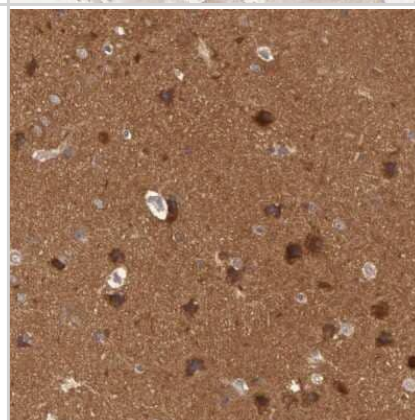


Images

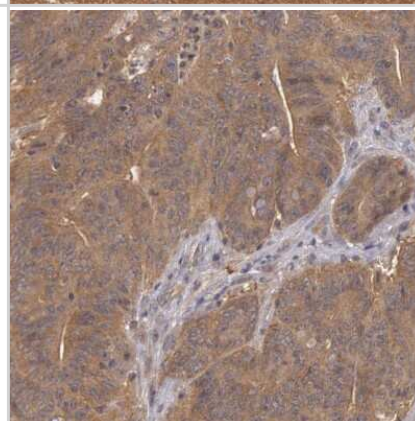
Immunohistochemistry-Paraffin: B-Raf Antibody [NBP1-89942] - Staining of human skeletal muscle shows very weak positivity in myocytes as expected.



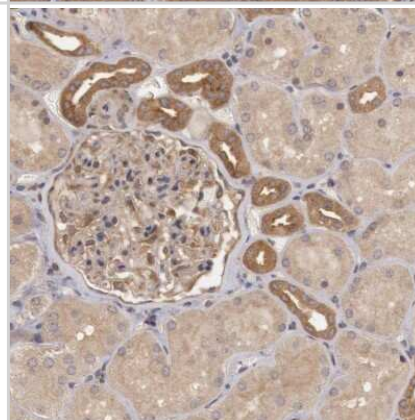
Immunohistochemistry-Paraffin: B-Raf Antibody [NBP1-89942] - Staining of human cerebral cortex shows strong cytoplasmic positivity in neuronal cells.



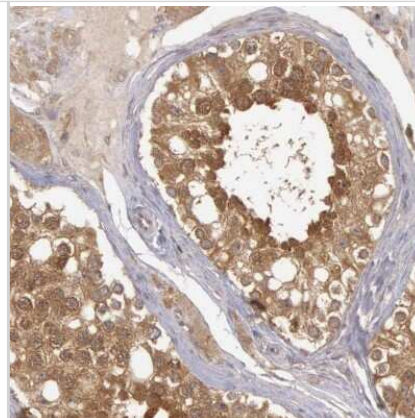
Immunohistochemistry-Paraffin: B-Raf Antibody [NBP1-89942] - Staining of human colorectal cancer shows moderate cytoplasmic positivity in tumor cells.



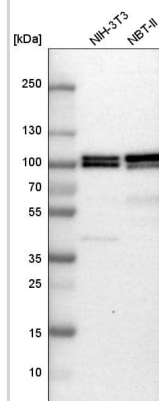
Immunohistochemistry-Paraffin: B-Raf Antibody [NBP1-89942] - Staining of human kidney shows moderate cytoplasmic positivity in distal tubules.



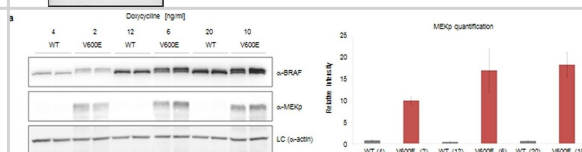
Immunohistochemistry-Paraffin: B-Raf Antibody [NBP1-89942] - Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



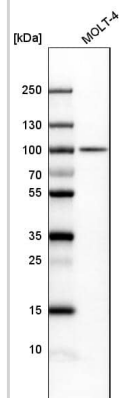
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



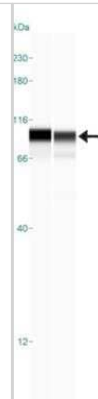
Western Blot: B-Raf Antibody [NBP1-89942] - Highly efficient wild-type down-regulation & concomitant mutant complementation for BRAF, HRAS & SHP2 proteins by TEMTAC. (a) Expression & phenotype analysis of BRAF V600E & WT in HEK293 cells is shown. Left panel: Western blot results using specific antibodies as indicated. Right panel: MEKp quantification after intensity analysis using ImageJ. (b) Expression & phenotype analysis of HRAS G12V & WT in HEK293 cells. Left panel: Western blot results using antibodies as indicated. Right panel: MEKp quantification after intensity analysis using ImageJ. (c) Expression & phenotype analysis of SHP2 C459G, D61G & WT in GH-HEK293 cells (HEK293 cells stably expressing the growth hormone receptor). Left panel: Western blot results using antibodies as indicated. Right panel: ERKp quantification after intensity analysis using ImageJ. The dashed line indicates that the blot has been cropped. The full blot is provided in Supplementary Figure S11. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/26612112>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



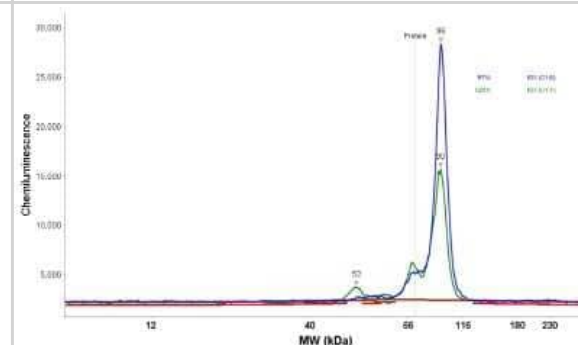
Analysis in human cell line MOLT-4.



Simple Western: B-Raf Antibody [NBP1-89942] - Simple Western lane view shows a specific band for BRAF in 0.2 mg/ml of RT-4 (left) and U-251MG sp (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: B-Raf Antibody [NBP1-89942] - Electropherogram image(s) of corresponding Simple Western lane view. B-Raf antibody was used at 1:20 dilution on RT-4 and U-251MG sp lysates(s).



Publications

Beltran-Sastre V, Benisty H, Burnier J et al. Tuneable endogenous mammalian target complementation via multiplexed plasmid-based recombineering. *Sci Rep* 2015-11-27 [PMID: 26612112] (WB, Human)



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Products Related to NBP1-89942

NBP1-89942PEP	B-Raf Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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