

Product Datasheet

beta-Actin Antibody (8H10D10) - Azide and BSA Free NBP2-80595

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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NBP2-80595

beta-Actin Antibody (8H10D10) - Azide and BSA Free

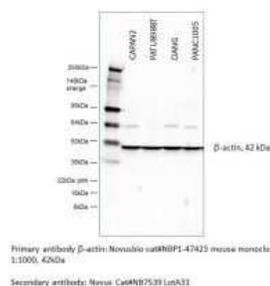
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	8H10D10
Preservative	No Preservative
Isotype	IgG2b
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	42 kDa

Product Description	
Host	Mouse
Gene ID	60
Gene Symbol	ACTB
Species	Human, Mouse, Rat, Chinese Hamster, Primate
Immunogen	This beta-Actin Antibody (8H10D10) was made to a synthetic peptide corresponding to amino-terminal residues of human Beta Actin, conjugated to KLH. [UniProt# P60709]

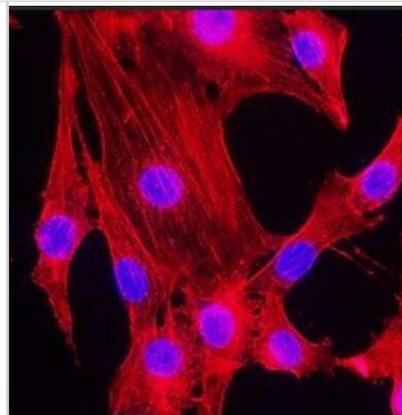
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunoblotting, Immunocytochemistry/ Immunofluorescence, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000-1:5000, Simple Western 12.5, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunoblotting reported in scientific literature (PMID 27903531), CyTOF-ready
Application Notes	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: antibody dilution of 12.5. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

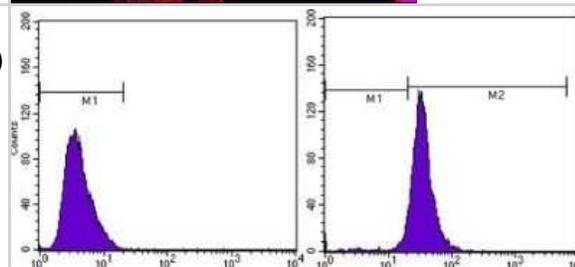
Western Blot: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Western blot of pancreatic cell lines (CAPAN2, PATU8988T, DANG, and PANC1005). Primary antibody: beta-Actin (8H10D10), NBP1-47423, 1:1000 dilution. Secondary antibody: HRP conjugated Mouse IgG (H+L), NB7539. A specific band can be observed at a molecular weight of approximately 42 kDa. Image from verified customer review using the standard format of this antibody.



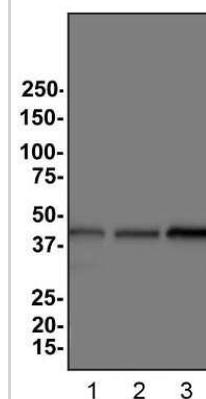
Immunocytochemistry/Immunofluorescence: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Beta actin was detected in NIH-3T3 cells fixed with methanol using mouse anti-mouse beta-Actin monoclonal antibody (NBP1-47423) at 1:5400 dilution. Cells were stained using NorthernLights 557 conjugated anti-mouse secondary antibody (NL007) and counterstained with DAPI. Image from the standard format of this antibody.



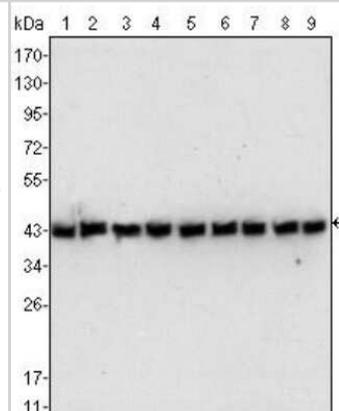
Flow Cytometry: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Analysis of MCF-7 cells using anti-Beta Actin mAb (right) and negative control (left). Image from the standard format of this antibody.



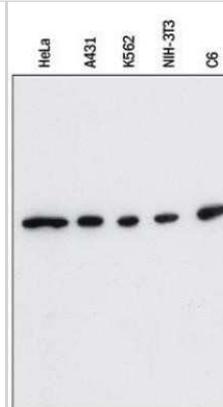
Western Blot: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Analysis of Beta Actin expression in 1) HeLa 2) HepG2 and 3) Cos7 whole cell lysates. Image from the standard format of this antibody.



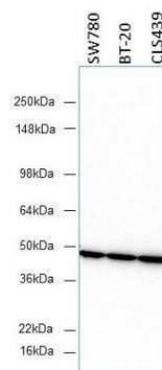
Western Blot: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Analysis using anti-Beta Actin mAb against human, mouse, hamster, rat, and primate cell lysate(s): (1) NIH/3T3, (2) Jurkat, (3) HeLa, (4) CHO, (5) PC12, (6) HEK293, (7) COS, (8) A549, and (9) MCF-7. A specific band can be observed at a molecular weight of approximately 43 kDa in all lanes. Image from the standard format of this antibody.



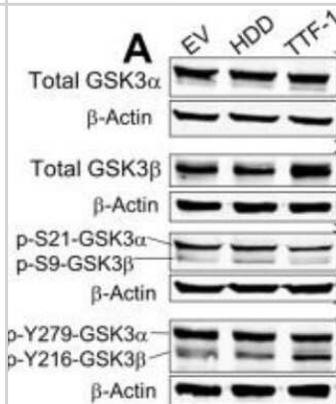
Western Blot: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Lysates of HeLa human cervical epithelial carcinoma cell line, A431 human epithelial carcinoma cell line, K562 human chronic myelogenous leukemia cell line, NIH-3T3 mouse embryonic fibroblast cell line, and C6 rat glioma cell line were probed with 1:2500 mouse anti-beta-Actin monoclonal (NBP1-47423) followed by 1:2000 dilution of donkey anti-mouse IgG-HRP secondary antibody (HAF018). Image from the standard format of this antibody.



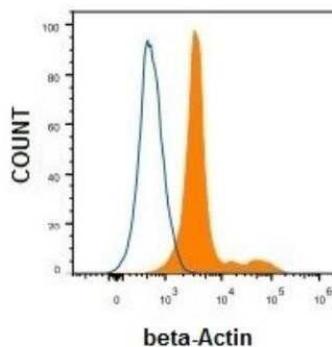
Western Blot: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Three different human cancer cell lines (SW780, BT-20, and CLS439) were probed with the antibody. Image from verified customer review. Image from the standard format of this antibody.



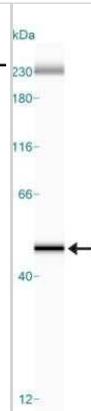
Western Blot: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - TTF-1 alters the phosphorylation of GSK3alpha/beta. (A) Panels of immunoblot images examining total GSK3alpha/beta and phosphorylation at specific Ser or Tyr residues in A549 transfectant cells. Beta-Actin is included as a loading control. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-019-44549-w>), licensed under a CC-BY license. Image from the standard format of this antibody.



Flow Cytometry: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Analysis of HeLa cells using mouse Monoclonal beta-Actin antibody (Orange) and Isotype control Antibody (Blue). Image from the standard format of this antibody.



Simple Western: beta-Actin Antibody (8H10D10) - Azide and BSA Free [NBP2-80595] - Image shows a specific band for Beta Actin in 1.0 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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Products Related to NBP2-80595

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NB600-503PEP	beta-Actin Antibody Blocking Peptide

Limitations

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