

Product Datasheet

Actin Antibody (JJ09-29) NBP2-67907

Unit Size: 100 ul

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

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NBP2-67907

Actin Antibody (JJ09-29)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JJ09-29
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description

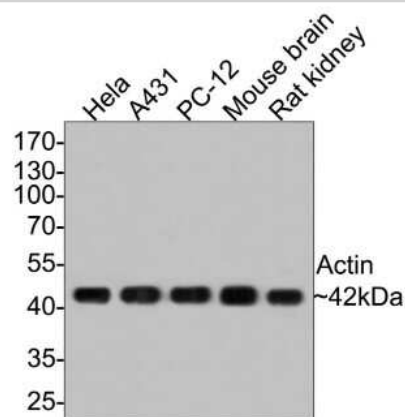
Description	Novus Biologicals Rabbit Actin Antibody (JJ09-29) (NBP2-67907) is a recombinant monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Actin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	58
Gene Symbol	ACTA1
Species	Human, Mouse, Rat, Zebrafish
Immunogen	Synthetic peptide within Human Actin aa 45-80 / 377. (SwissProt: P68133 Human; SwissProt: P68134 Mouse; SwissProt: P68136 Rat; Entrez Gene: 407658 Zebrafish)

Product Application Details

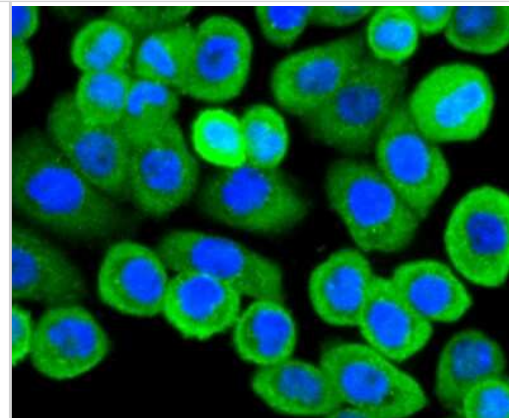
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100-1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

Images

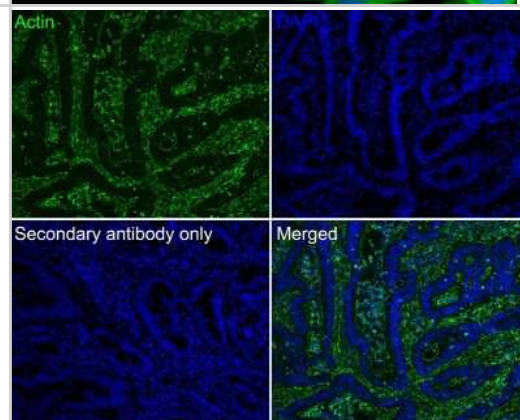
Western Blot: Actin Antibody (JJ09-29) [NBP2-67907] - Analysis of Actin on different lysates with Rabbit anti-Actin antibody at 1/500 dilution. Lane 1: HeLa cell lysate (10 ug/Lane) Lane 2: A431 cell lysate (10 ug/Lane) Lane 3: PC-12 cell lysate (10 ug/Lane) Lane 4: Mouse brain tissue lysate (20 ug/Lane) Lane 5: Rat kidney tissue lysate (20 ug/Lane) Predicted band size: 42 kDa Observed band size: 42 kDa Exposure time: 30 seconds; 10% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (ET1701-80) at 1/500 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:300,000 dilution was used for 1 hour at room temperature.



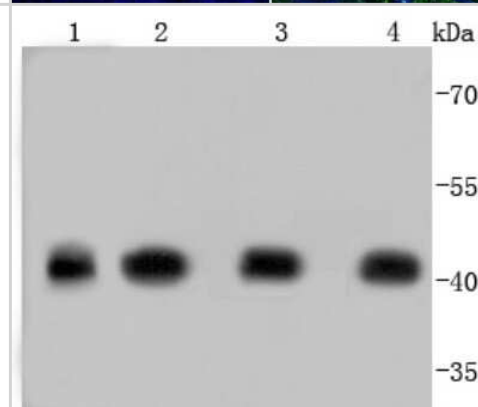
Immunocytochemistry/Immunofluorescence: Actin Antibody (JJ09-29) [NBP2-67907] - Staining Actin in AGS cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



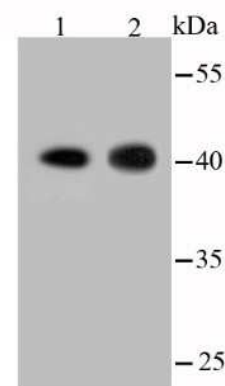
Immunohistochemistry-Paraffin: Actin Antibody (JJ09-29) [NBP2-67907] - Immunofluorescence analysis of paraffin-embedded human colon carcinoma tissue labeling Actin with Rabbit anti-Actin antibody washed with PBS, and then probed with the primary antibody (green) at 1/100 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor(TM) 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



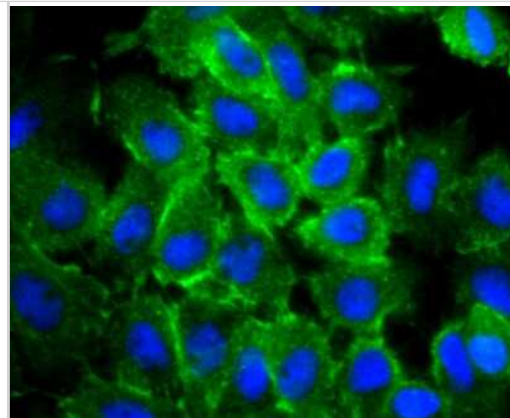
Western Blot: Actin Antibody (JJ09-29) [NBP2-67907] - Analysis of Actin on different lysates using anti-Actin antibody at 1/1,000 dilution. Positive control: Lane 1: zebrafish Lane 2: Hela Lane 3: A431 Lane 4: Jurkat



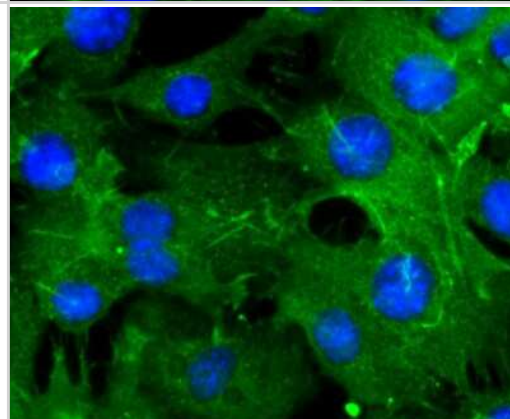
Western Blot: Actin Antibody (JJ09-29) [NBP2-67907] - Analysis of Actin on different lysates using anti-Actin antibody at 1/1,000 dilution. Positive control: Lane 1:Hybrid fish (crucian-carp) brain tissue Lane 2:Hybrid fish (crucian-carp) kidney tissue



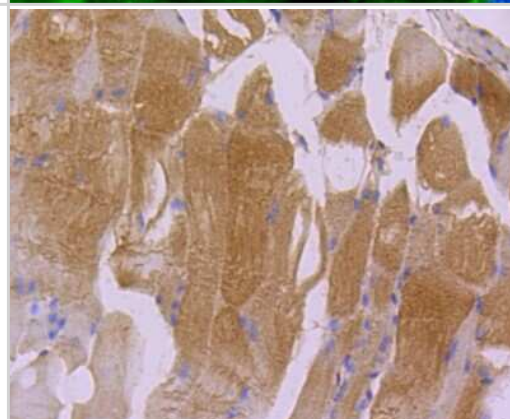
Immunocytochemistry/Immunofluorescence: Actin Antibody (JJ09-29) [NBP2-67907] - Staining Actin in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



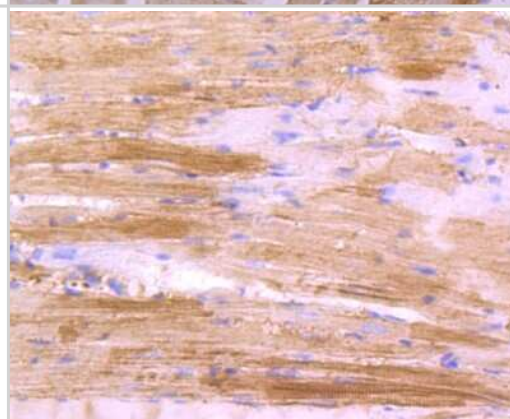
Immunocytochemistry/Immunofluorescence: Actin Antibody (JJ09-29) [NBP2-67907] - Staining Actin in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: Actin Antibody (JJ09-29) [NBP2-67907] - Analysis of paraffin-embedded mouse cardiac muscle tissue using anti-Actin antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Actin Antibody (JJ09-29) [NBP2-67907] - Analysis of paraffin-embedded mouse smooth muscle tissue using anti-Actin antibody. Counter stained with hematoxylin.



Publications

Jingu L, Brett B, Alexis S et al. Neutrophil CRACR2A Promotes Neutrophil Recruitment in Sterile Inflammation and Ischemic Stroke Circulation. 2024-11-27 [PMID: 39601147] (Western Blot, Human, Mouse)



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Products Related to NBP2-67907

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000058-P01-10ug	Recombinant Human Actin GST (N-Term) Protein

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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