

Product Datasheet

RhoA Antibody (1B3-4A10)

NBP2-22529

Unit Size: 100ug

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

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NBP2-22529

RhoA Antibody (1B3-4A10)

Product Information

Unit Size	100ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1B3-4A10
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS with 1 mg/ml BSA and 30% glycerol

Product Description

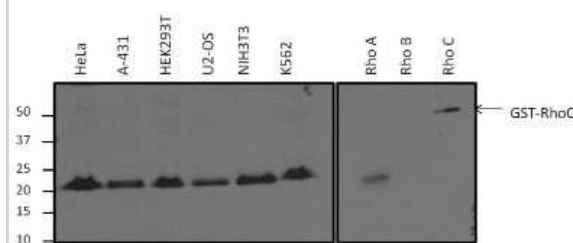
Host	Mouse
Gene ID	387
Gene Symbol	RHOA
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	Full-length human recombinant RhoA protein.

Product Application Details

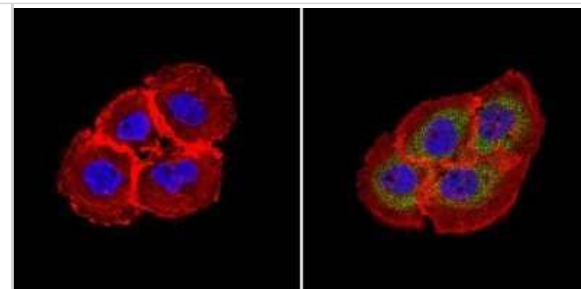
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500 - 1:1500, Immunohistochemistry 1:50 - 1:500, Immunocytochemistry/ Immunofluorescence 1:20 - 1:200, Immunoprecipitation 2 ug, Immunohistochemistry-Paraffin 1:50 - 1:500

Images

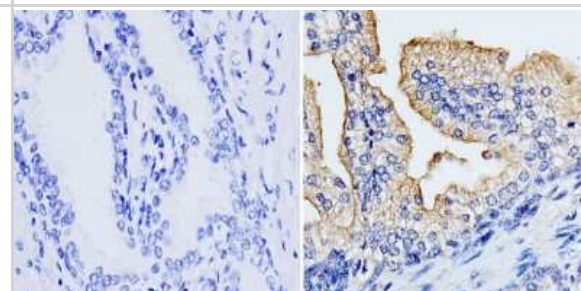
Western Blot: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis of RhoA/C was performed by loading 25 ug of various whole cell lysates or 0.5 ug of purified protein (RhoA, RhoB, and a GST-RhoC fusion) per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with a RhoA/C monoclonal antibody at a dilution of 1:1000 overnight at 4C on a rocking platform, washed in TBS-0.1%Tween-20, and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:15,000 for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Dura.



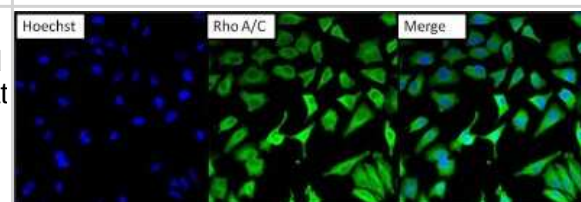
Immunocytochemistry/Immunofluorescence: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis of Rho A/C (green) showing staining in the cytoplasm of A431 cells (right) compared to a negative control without primary antibody (left).



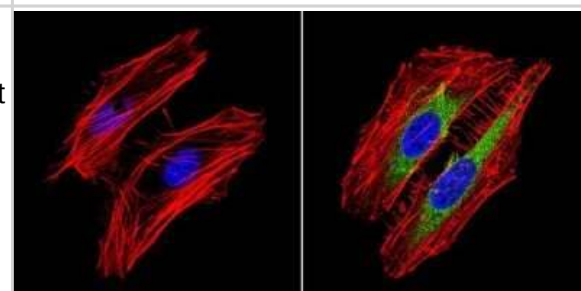
Immunohistochemistry-Paraffin: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis showing staining in the cytoplasm and membrane of human prostate carcinoma (right) compared with a negative control without primary antibody (left).



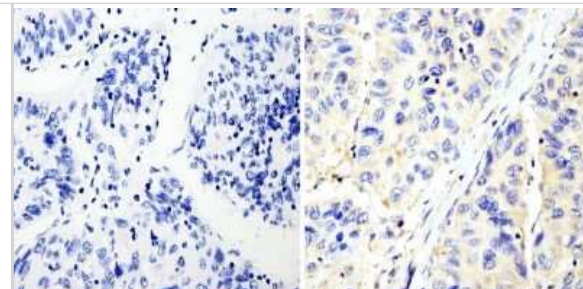
Immunocytochemistry/Immunofluorescence: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis of RhoA/C (green) in HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 0.3% BSA/TBST for 15 minutes at room temperature. Cells were probed with a RhoA/C monoclonal antibody at a dilution of 1:100 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-mouse IgG secondary antibody at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye.



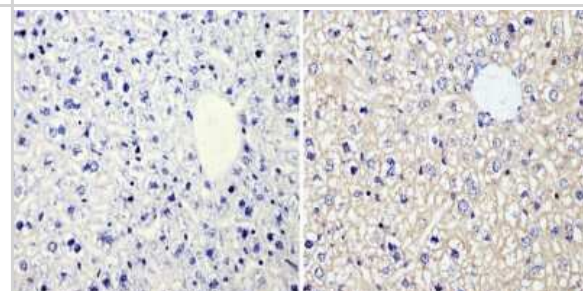
Immunocytochemistry/Immunofluorescence: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis of Rho A/C (green) showing staining in the cytoplasm of HeLa cells (right) compared to a negative control without primary antibody (left).



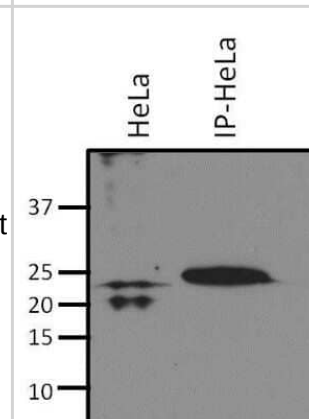
Immunohistochemistry-Paraffin: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis showing staining in the cytoplasm of human hepatocarcinoma (right) compared with a negative control without primary antibody (left).



Immunohistochemistry-Paraffin: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis showing staining in the cytoplasm and membrane of mouse liver tissue (right) compared with a negative control without primary antibody (left).



Immunoprecipitation: RhoA Antibody (1B3-4A10) [NBP2-22529] - Analysis of RhoA/C was performed on HeLa cells. Antigen-antibody complexes were formed by incubating 500ug of whole cell lysate with 2ug of a RhoA/C monoclonal antibody overnight on a rocking platform at 4C. The immune complexes were captured on 50ul Protein A/G Plus Agarose at a dilution of 1:1000 overnight at 4C, washed in TBST, and probed with Clean-Blot IP Detection Reagent at a dilution of 1:2500 for at least 1 hour.



Publications

Bartos K, Ramakrishnan SK, Braga-Lagache S et al. Renal FGF23 signaling depends on redox protein Memo1 and promotes orthovanadate-sensitive protein phosphotyrosyl phosphatase activity *Journal of Cell Communication and Signaling* 2023-09-01 [PMID: 36434320] (Western Blot, Block/Neutralize)



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Products Related to NBP2-22529

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
NBP1-50933-0.1mg	Recombinant Human RhoA His 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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