

Product Datasheet

RAP1A Antibody (1D4-1A3)

NBP2-22527

Unit Size: 100 ug

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

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NBP2-22527**RAP1A Antibody (1D4-1A3)**

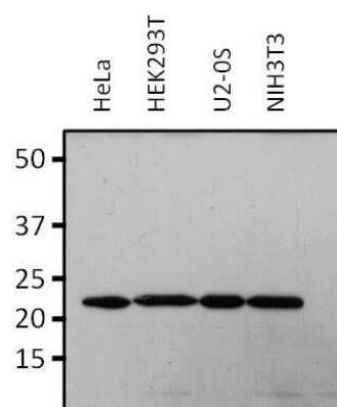
Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D4-1A3
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS with 1 mg/ml BSA and 30% glycerol

Product Description	
Description	Novus Biologicals Mouse RAP1A Antibody (1D4-1A3) (NBP2-22527) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-RAP1A Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5906
Gene Symbol	RAP1A
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 30002060).
Immunogen	Recombinant full-length human Rap1

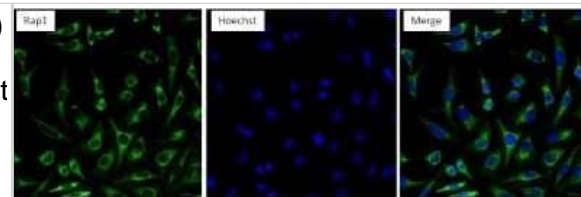
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:500 - 1:1000, Immunohistochemistry 1:50 - 1:500, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunoprecipitation 2 ug, Immunohistochemistry-Paraffin 1:50 - 1:500, Proximity Ligation Assay
Application Notes	Use in Proximity Ligation Assay reported in scientific literature (PMID:30002060).

Images

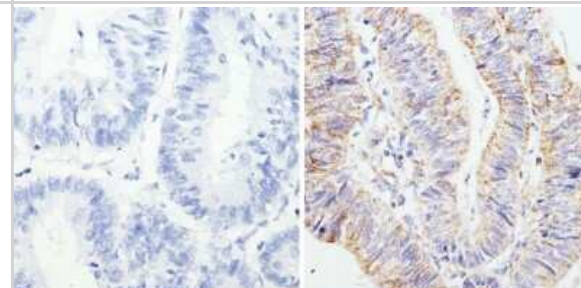
Western Blot: RAP1A Antibody (1D4-1A3) [NBP2-22527] - Analysis of 25 ug of various whole cell lysate per well.



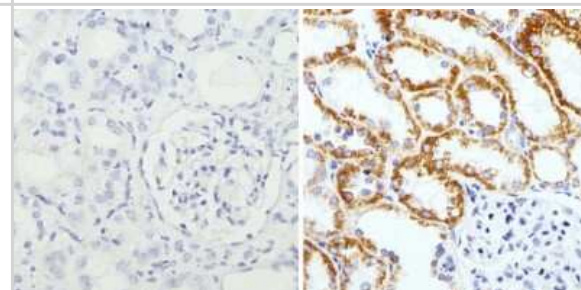
Immunocytochemistry/Immunofluorescence: RAP1A Antibody (1D4-1A3) [NBP2-22527] - Analysis of Rap1 (green) in HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% BSA/TBST for 15 minutes at room temperature. Cells were probed with a Rap1 monoclonal antibody at a dilution of 1:100 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488-conjugated 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.



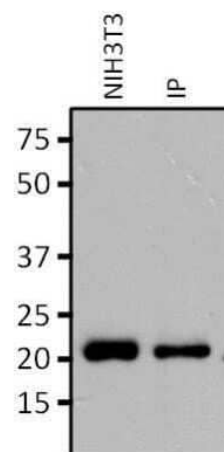
Immunohistochemistry-Paraffin: RAP1A Antibody (1D4-1A3) [NBP2-22527] - Analysis showing staining in the cytoplasm and membrane of human colon carcinoma (right) compared to a negative control without primary antibody (left).



Immunohistochemistry-Paraffin: RAP1A Antibody (1D4-1A3) [NBP2-22527] - Analysis showing staining in the cytoplasm and membrane of human kidney tissue (right) compared to a negative control without primary antibody (left).



Immunoprecipitation: RAP1A Antibody (1D4-1A3) [NBP2-22527] - Analysis of Rap1 was performed on NIH3T3 cells. Antigen-antibody complexes were formed by incubating 750ug of NIH3T3 whole cell lysate with 2ug of a Rap1 monoclonal antibody overnight on a rocking platform at 4C. The immune complexes were captured on 50ul Protein A/G Plus Agarose, washed extensively, and eluted with 5X Lane Marker Reducing Sample Buffer. Eluted sample (right lane) and 25ug of NIH3T3 control lysate (left lane) were resolved on a 4-20% Tris-HCl polyacrylamide gel, transferred to a PVDF membrane, and blocked with 5% BSA/TBS-0.1%Tween for at least 1 hour. The membrane was probed with a Rap1 monoclonal antibody at a dilution of 1:500 overnight rotating at 4C, washed in TBST, and probed with Clean-Blot IP Detection Reagent at a dilution of 1:2500 for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Dura.



Publications

Wang S, Wang D, Chang Y et al. Elevated RAP1A expression correlates with the severity of acute GVHD after umbilical cord blood transplantation *Transplant Immunology* 2022-01-01 [PMID: 35114361] (WB, Human)

Stott JB, Barrese V, Suresh M et al. Investigating the role of G beta gamma in Kv7 dependent relaxations of the rat vasculature *Arterioscler Thromb Vasc Biol.* 2018-09-13 [PMID: 30002060] (PLA, Rat)





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Products Related to NBP2-22527

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97019-5mg	Mouse IgG Isotype Control

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