

# Product Datasheet

## RAP1A Antibody (1D2-1C64)

### NBP2-22526

Unit Size: 100 ug

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

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**NBP2-22526****RAP1A Antibody (1D2-1C64)**

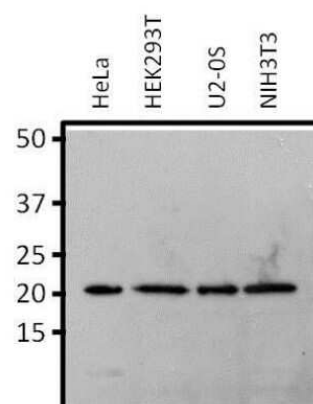
<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1D2-1C64
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS with 1 mg/ml BSA and 30% glycerol
<b>Target Molecular Weight</b>	21 kDa

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	5906
<b>Gene Symbol</b>	RAP1A
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	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.
<b>Specificity/Sensitivity</b>	This product was made specifically to the RAP1A human protein (P62834). It has not yet been tested for cross reactivity to other related proteins.
<b>Immunogen</b>	Recombinant full-length human Rap1

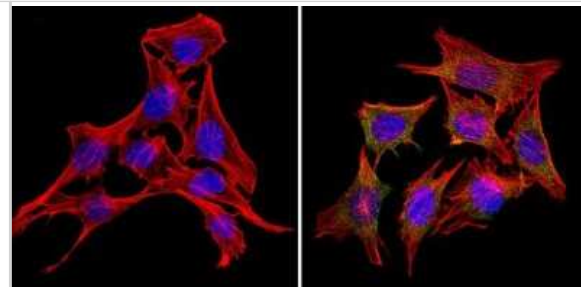
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:1000, Immunohistochemistry 1:100 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:200, Immunoprecipitation 2 ug, Immunohistochemistry-Paraffin 1:100 - 1:1000

**Images**

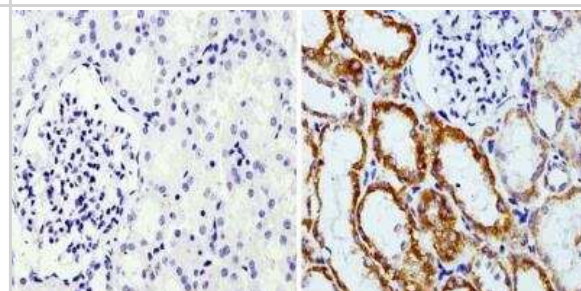
Western Blot: RAP1A Antibody (1D2-1C64) [NBP2-22526] - Analysis of 25 ug of various whole cell lysates per well.



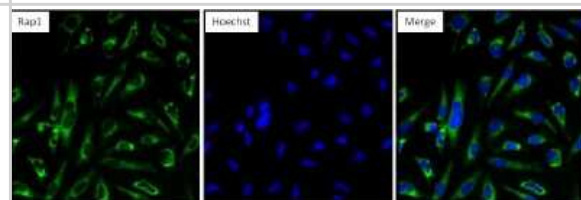
**Immunocytochemistry/Immunofluorescence: RAP1A Antibody (1D2-1C64) [NBP2-22526]** - Analysis of Rap1 (green) showing staining in the cytoplasm of C2C12 cells (right) compared to a negative control without primary antibody (left).



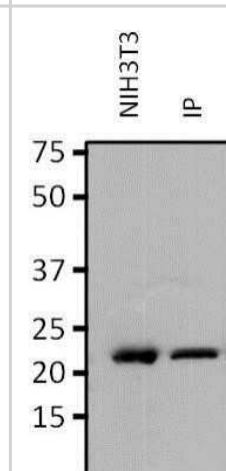
**Immunohistochemistry: RAP1A Antibody (1D2-1C64) [NBP2-22526]** - Analysis of Rap1 showing staining in the membrane of human kidney tissue (right) compared with a negative control without primary antibody (left).



**Immunocytochemistry/Immunofluorescence: RAP1A Antibody (1D2-1C64) [NBP2-22526]** - 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.



**Immunoprecipitation: RAP1A Antibody (1D2-1C64) [NBP2-22526]** - Analysis of Rap1 was performed on NIH3T3 cells. Antigen-antibody complexes were formed by incubating 750ug of NIH3T3 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.





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### **Products Related to NBP2-22526**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP1-45263-0.05mg	Recombinant Human RAP1A 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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