

# Product Datasheet

## RanGAP1 Antibody (OTI1B4)

### NBP2-02623

Unit Size: 0.1 ml

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

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**NBP2-02623**

RanGAP1 Antibody (OT11B4)

**Product Information**

|                                |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml                                   |
| <b>Concentration</b>           | 0.81 mg/ml                               |
| <b>Storage</b>                 | Store at -20C. Avoid freeze-thaw cycles. |
| <b>Clonality</b>               | Monoclonal                               |
| <b>Clone</b>                   | OT11B4                                   |
| <b>Preservative</b>            | 0.02% Sodium Azide                       |
| <b>Isotype</b>                 | IgG2a                                    |
| <b>Purity</b>                  | Immunogen affinity purified              |
| <b>Buffer</b>                  | PBS (pH 7.3), 1.0% BSA and 50% Glycerol  |
| <b>Target Molecular Weight</b> | 63.4 kDa                                 |

**Product Description**

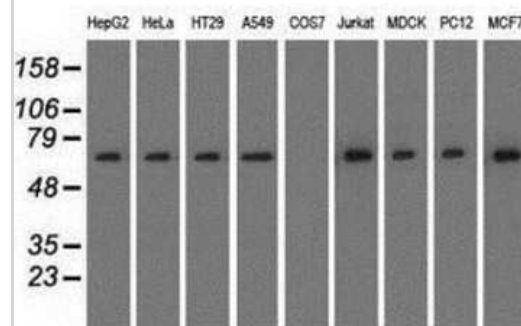
|                         |   |
|-------------------------|---|
| <b>Host</b>             | Mouse   |
| <b>Gene ID</b>          | 5905  |
| <b>Gene Symbol</b>      | RANGAP1   |
| <b>Species</b>          | Human, Mouse, Rat, Canine   |
| <b>Reactivity Notes</b> | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. |
| <b>Immunogen</b>        | Full length human recombinant protein of human RANGAP1 (NP_002874) produced in HEK293T cell.  |

**Product Application Details**

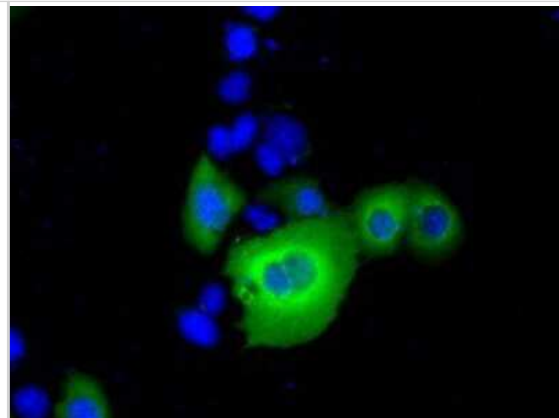
|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                                   |
| <b>Recommended Dilutions</b> | Western Blot 1:1000-2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50 |

**Images**

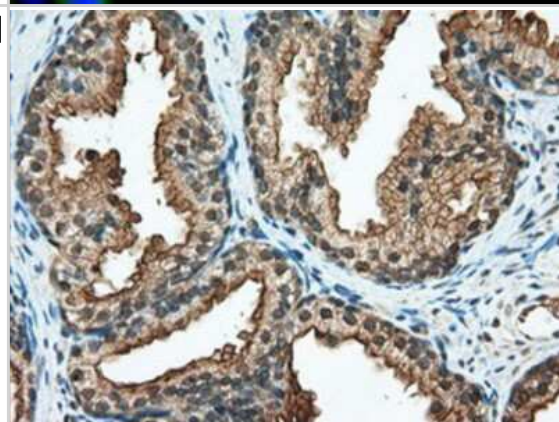
Western Blot: RanGAP1 Antibody (1B4) [NBP2-02623] Analysis of extracts (35ug) from 9 different cell lines by using anti-RanGAP1 monoclonal antibody.



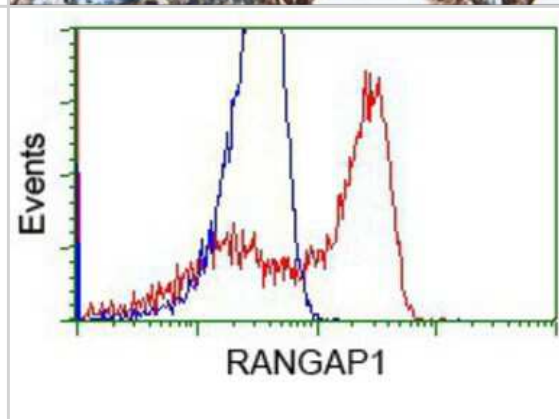
Immunocytochemistry/Immunofluorescence: RanGAP1 Antibody (1B4) [NBP2-02623] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY RanGAP1.



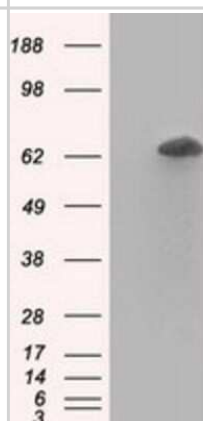
Immunohistochemistry-Paraffin: RanGAP1 Antibody (1B4) [NBP2-02623] - Staining of paraffin-embedded Human prostate tissue using anti-RanGAP1 mouse monoclonal antibody.



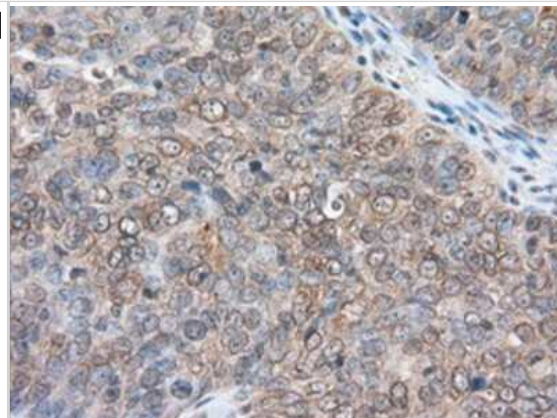
Flow Cytometry: RanGAP1 Antibody (1B4) [NBP2-02623] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RanGAP1 antibody, and then analyzed by flow cytometry.



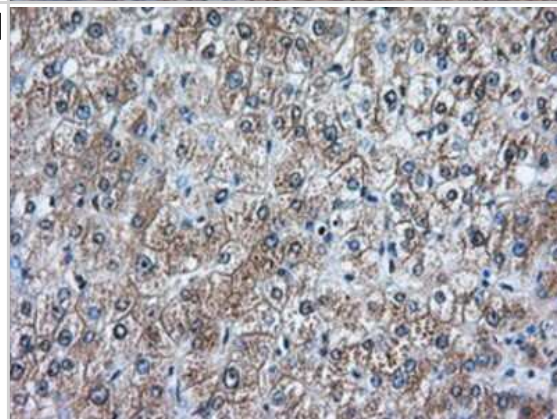
Western Blot: RanGAP1 Antibody (1B4) [NBP2-02623] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RanGAP1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RanGAP1.



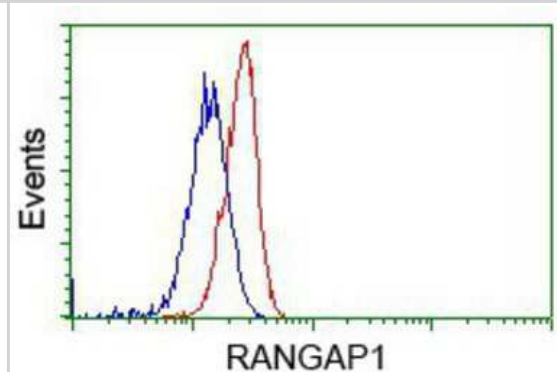
Immunohistochemistry-Paraffin: RanGAP1 Antibody (1B4) [NBP2-02623]  
- Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-RanGAP1 mouse monoclonal antibody.



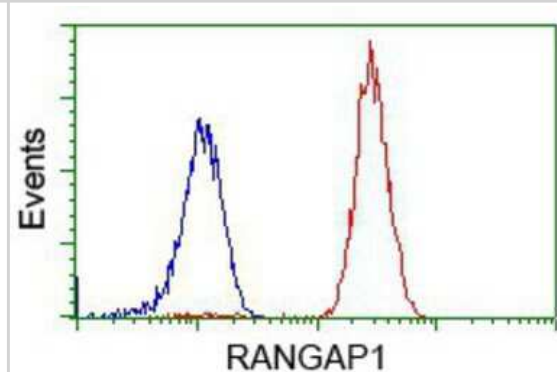
Immunohistochemistry-Paraffin: RanGAP1 Antibody (1B4) [NBP2-02623]  
- Staining of paraffin-embedded Human liver tissue using anti-RanGAP1 mouse monoclonal antibody.



Flow Cytometry: RanGAP1 Antibody (1B4) [NBP2-02623] - Analysis of Hela cells, using anti-RanGAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Flow Cytometry: RanGAP1 Antibody (1B4) [NBP2-02623] - Analysis of Jurkat cells, using anti-RanGAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



## Publications

Garg R, Endzhievskaya S, Williamson M B-type Plexins promote the GTPase activity of Ran to affect androgen receptor nuclear translocation in prostate cancer Cancer gene therapy 2023-08-10 [PMID: 37563360]  
(Immunocytochemistry/ Immunofluorescence)



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### **Products Related to NBP2-02623**

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|                    |   |
|--------------------|---|
| 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)                       |
| H00005905-P01-25ug | Recombinant Human RanGAP1 GST (N-Term) Protein          |

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### **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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