

# Product Datasheet

## Rab7a Antibody (10E4) - BSA Free NBP2-60237-100ul

Unit Size: 100 ul

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

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**NBP2-60237-100ul**

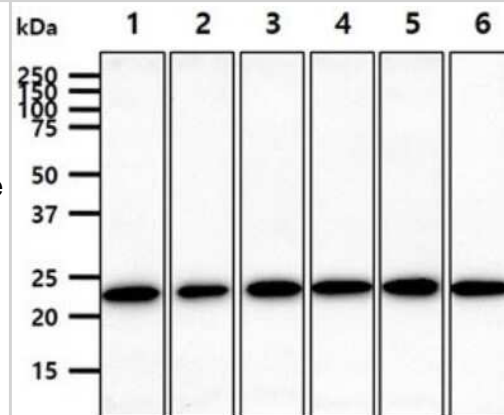
Rab7a Antibody (10E4) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	10E4
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4), 10% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Mouse Rab7a Antibody (10E4) - BSA Free (NBP2-60237) is a monoclonal antibody validated for use in WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	7879
<b>Gene Symbol</b>	RAB7A
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant human RAB7A (1-207aa) purified from E. coli
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:1000, Flow Cytometry 2-5 ug, ELISA 1:100 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:100, Knockout Validated Validated for Knockout from YCharOS Inc. (ycharos.com)

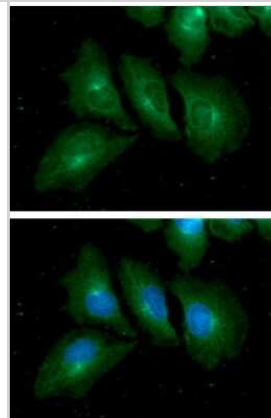


## Images

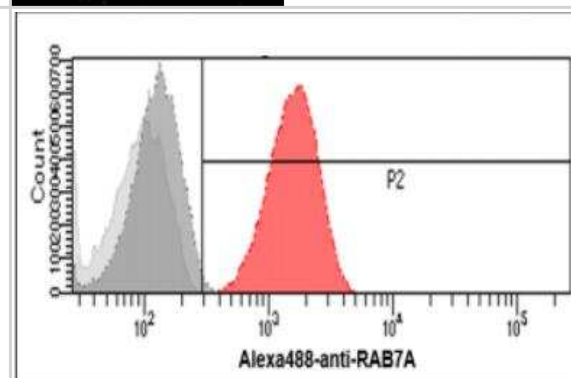
Western Blot: Rab7a Antibody (10E4) [NBP2-60237] - The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Rab7A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: Jurkat cell lysate Lane 3.: MCF7 cell lysate Lane 4.: PC3 cell lysate Lane 5.: 293T cell lysate Lane 6.: SK-OV-3 cell lysate



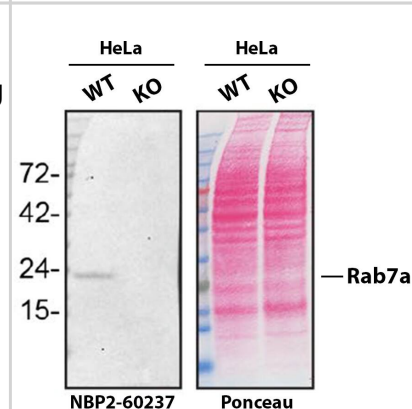
Immunocytochemistry/Immunofluorescence: Rab7a Antibody (10E4) [NBP2-60237] - Staining in HeLa cells. The secondary antibody (green) was Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



Flow Cytometry: Rab7a Antibody (10E4) [NBP2-60237] - Analysis of RAB7A in HeLa cells. The cell was stained with at 2-5ug for 1x10<sup>6</sup> cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and Rab7a knockout HeLa cell line (KO). Nitrocellulose membrane was probed with Rab7a Antibody (10E4) - BSA Free (Catalog # NBP2-60237) followed by HRP-conjugated secondary antibody. A specific band was detected for Rab7a at approximately 23.4 kDa (as indicated) in the parental HeLa cell line, but is not detectable in knockout HeLa cell line. Primary antibody dilution used: 1/1000. The Ponceau stained transfer of the blot is shown. This experiment was conducted under reducing conditions. Image, protocol, and testing courtesy of YCharOS Inc. See ycharos.com for additional details.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-60237-100ul**

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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]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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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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