

Product Datasheet

Ras Antibody (JE44-13) NBP3-33138

Unit Size: 100 ul

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

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NBP3-33138

Ras Antibody (JE44-13)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JE44-13
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	21 kDa
Product Description	
Host	Rabbit
Gene ID	3845
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Ras aa 1-50 / 189. (Uniprot: P01111)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000-1:2000, Flow Cytometry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100



Images

Western Blot: Ras Antibody (JE44-13) [NBP3-33138] - Western blot analysis of Ras on different lysates with Rabbit anti-Ras antibody (NBP3-33138) at 1/1,000 dilution.

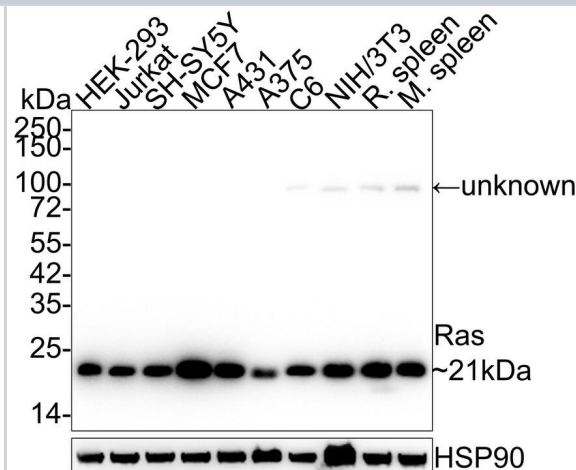
Lane 1: HEK-293 cell lysate (20 ug/Lane)
 Lane 2: Jurkat cell lysate (20 ug/Lane)
 Lane 3: SH-SY5Y cell lysate (20 ug/Lane)
 Lane 4: MCF7 cell lysate (20 ug/Lane)
 Lane 5: A431 cell lysate (20 ug/Lane)
 Lane 6: A375 cell lysate (20 ug/Lane)
 Lane 7: C6 cell lysate (20 ug/Lane)
 Lane 8: NIH/3T3 cell lysate (20 ug/Lane)
 Lane 9: Rat spleen tissue lysate (40 ug/Lane)
 Lane 10: Mouse spleen tissue lysate (40 ug/Lane)

Predicted band size: 21 kDa
 Observed band size: 21 kDa

Exposure time: 25 seconds;

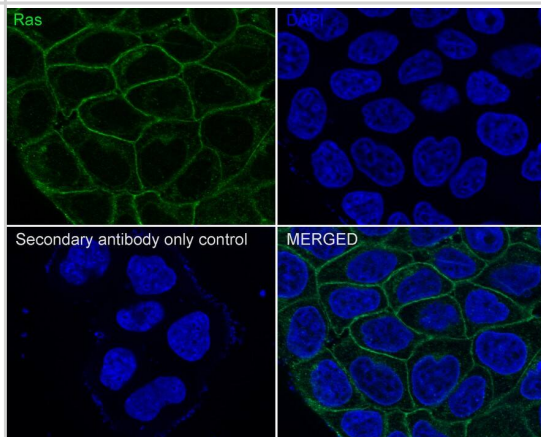
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-33138) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



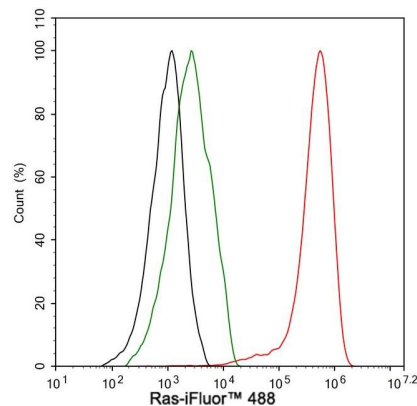
Immunocytochemistry/ Immunofluorescence: Ras Antibody (JE44-13) [NBP3-33138] - Immunocytochemistry analysis of MCF7 cells labeling Ras with Rabbit anti-Ras antibody (NBP3-33138) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Ras antibody (NBP3-33138) at 1/100 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Flow Cytometry: Ras Antibody (JE44-13) [NBP3-33138] - Flow cytometric analysis of MCF7 cells labeling Ras.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-33138, 1 µg/mL) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-33138

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

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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