

Product Datasheet

Rheb Antibody (JG37-12) NBP2-75646

Unit Size: 100 ul

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

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NBP2-75646

Rheb Antibody (JG37-12)

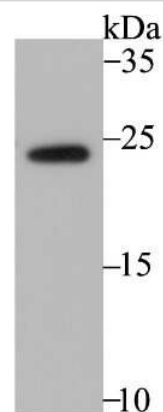
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JG37-12
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	20 kDa

Product Description	
Host	Rabbit
Gene Symbol	RHEB
Species	Human, Mouse
Immunogen	Recombinant protein within Human Rheb aa 21-108 / 184. (SwissProt: Q15382 Human; SwissProt: Q921J2 Mouse)

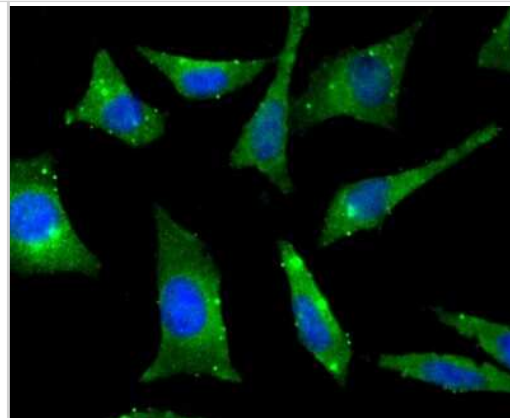
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200, Knockdown Validated

Images

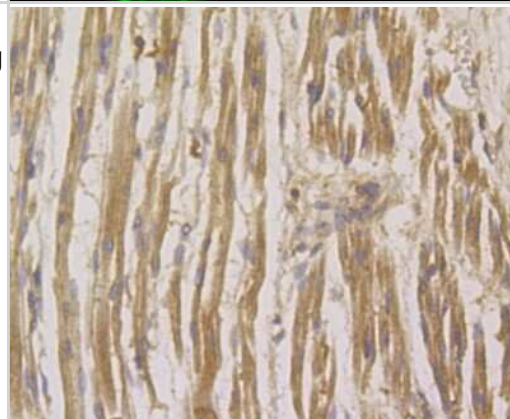
Western Blot: Rheb Antibody (JG37-12) [NBP2-75646] - Analysis of Rheb on mouse placenta tissue lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.



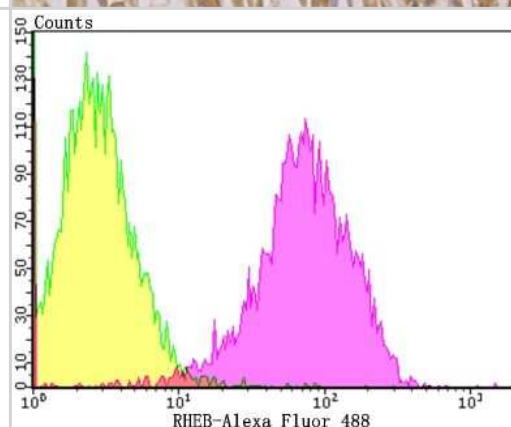
Immunocytochemistry/Immunofluorescence: Rheb Antibody (JG37-12) [NBP2-75646] - Staining RHEB in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



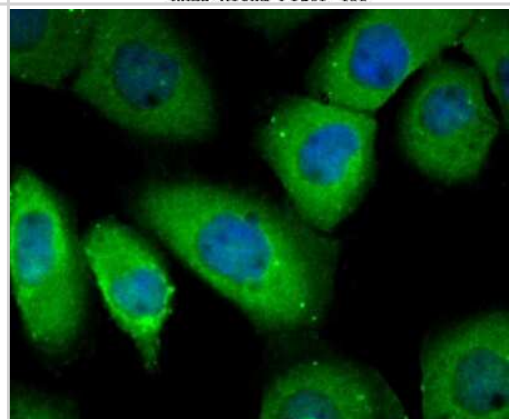
Immunohistochemistry-Paraffin: Rheb Antibody (JG37-12) [NBP2-75646] - Analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-RHEB antibody. Counter stained with hematoxylin.



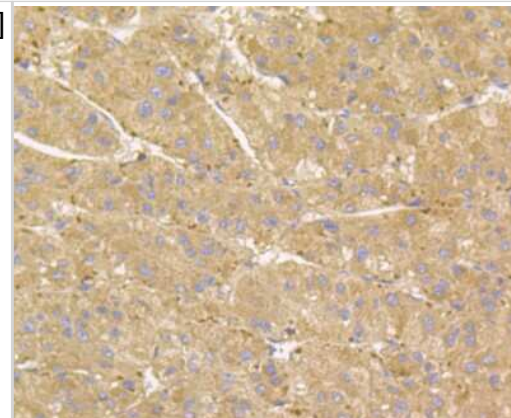
Flow Cytometry: Rheb Antibody (JG37-12) [NBP2-75646] - Analysis of A431 cells with RHEB antibody at 1/100 dilution (yellow) compared with an unlabelled control (cells without incubation with primary antibody; purple). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



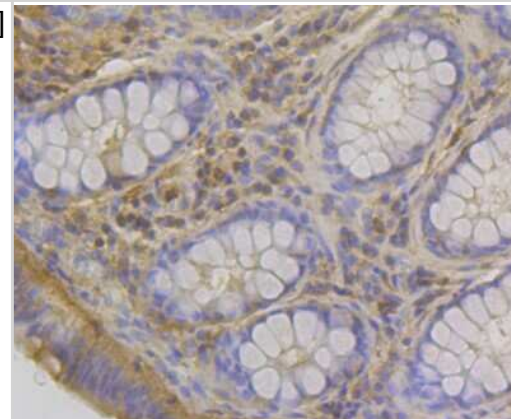
Immunocytochemistry/Immunofluorescence: Rheb Antibody (JG37-12) [NBP2-75646] - Staining RHEB in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



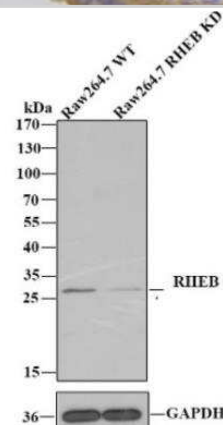
Immunohistochemistry-Paraffin: Rheb Antibody (JG37-12) [NBP2-75646]
 - Analysis of paraffin-embedded human liver tissue using anti-RHEB antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Rheb Antibody (JG37-12) [NBP2-75646]
 - Analysis of paraffin-embedded human colon tissue using anti-RHEB antibody. Counter stained with hematoxylin.



Knockdown Validated: Rheb Antibody (JG37-12) [NBP2-75646] -
 Analysis of RHEB with anti-RHEB antibody [JG37-12] at 1:1,000 dilution.
 Lane 1: Wild-type Raw264.7 whole cell lysate. Lane 2: RHEB knockdown Raw264.7 whole cell lysate. NBP2-75646 was shown to specifically react with RHEB in wild-type Raw264.7 cells. Weakened band was observed when RHEB knockout samples were tested. Wild-type and RHEB knockout samples were subjected to SDS-PAGE. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM in TBST for 1 hour at room temperature. The primary Anti-RHEB antibody (1/1,000) and Anti-GAPDH antibody (1/10,000) were used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG H&L (HRP) Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.





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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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