

Rabbit Rheb Polyclonal Antibody | anti-RHEB antibody

Rheb Antibody

CATALOG # AAA39691	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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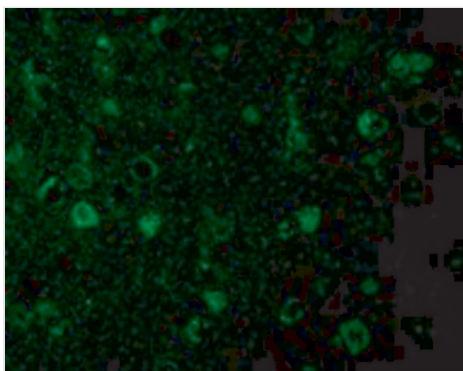
PRODUCT SYNONYMS

Rheb; Polyclonal Antibody; Rheb Antibody; RHEB2; GTP-binding protein Rheb; Ras homolog enriched in brain; anti-RHEB antibody

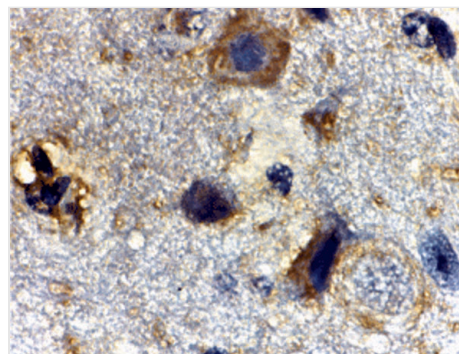
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Rheb Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	184
Applicable Applications for anti-RHEB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rheb antibody was raised against a 15 amino acid synthetic peptide from the middle region of human Rheb.
Buffer	Rheb Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Rheb antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

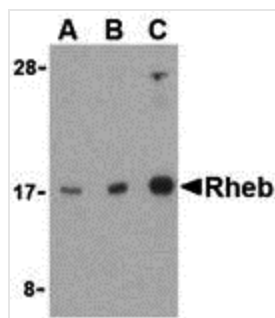
IMAGES


IF (Immunofluorescence)

Immunofluorescence of Rheb in Mouse Brain cells with Rheb antibody at 20 &#956;g/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of Rheb in mouse brain tissue with Rheb antibody at 2 &#956;g/mL.



WB (Western Blot)

Western blot analysis of Rheb in mouse brain cell lysate with Rheb antibody at (A) 1, (B) 2, and (C) 4 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-RHEB antibody

Rheb Antibody: Rheb (Ras homolog enriched in brain) is an evolutionarily conserved member of the Ras family of small GTP-binding proteins originally found to be rapidly induced by synaptic activity in the hippocampus following seizure. While it is expressed at relatively high levels in the brain, Rheb is widely expressed in other tissues and may be induced by growth factor stimulation. Similar to other family members, Rheb triggers activation of the Raf-MEK-MAPK pathway. Biochemical and genetic studies demonstrate that Rheb has an important role in regulating the insulin/Target of rapamycin (TOR) signaling pathway. TOR is a serine/threonine protein kinase that acts as a sensor for ATP and amino acids, balancing the availability of nutrients with protein translation and cell growth. A dimeric protein complex termed TSC1/TSC2 indirectly inhibits TOR activity by inhibiting Rheb via the GAP activity of TSC2.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16740561
NCBI GeneID	6009
UniProt Accession #	Q15382; Q53Y56; Q99444; B3KWN6; D3DX13
Molecular Weight	19; 20 kDa
NCBI Official Full Name	Ras homolog enriched in brain
NCBI Official Synonym Full Names	Ras homolog enriched in brain
NCBI Official Symbol	RHEB
NCBI Official Synonym Symbols	RHEB2
NCBI Protein Information	GTP-binding protein Rheb; Ras homolog enriched in brain 2
UniProt Protein Name	GTP-binding protein Rheb
UniProt Gene Name	RHEB
UniProt Synonym Gene Names	RHEB2
UniProt Entry Name	RHEB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rheb-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39691>