

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat Rheb.
Source	Monoclonal Mouse IgG _{2B} Clone # 344912
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Rheb Met1-Met184 Accession # AAH66307
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Ras homolog enriched in brain (Rheb) is a novel member of the Ras superfamily of GTP-binding proteins involved in cell growth and cell cycle progression. Expressed in a wide range of tissues, Rheb was initially identified from its induction in rat hippocampal granule cells by seizures and NMDA-dependent synaptic activity. A complex containing the tuberous sclerosis gene products TSC1 and TSC2 functions as a GTPase-activating protein (GAP) for Rheb.

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