

Anti-GRAP Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 25 kDa. Actual: 25 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Mouse Prostate tissue lysates Lane 2: Mouse Cerebrum tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Human A549 cell lysates
Verified Activity:	Lane 5: Human MCF-7 cell lysates Lane 6: Human HeLa cell lysates Primary: Anti-GRAP (TMAB-06757) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kDa Observed band size: 25 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GRAP
Antigen Species:	Human
Gene ID:	10750
Uniprot ID:	Q13588

Research Background

Many growth factors function by binding receptors with intrinsic tyrosine kinase activity. Signaling by such receptors involves a series of intermediates characterized by SH2 domains that bind tyrosine phosphorylated receptors by a direct interaction between the SH2 domain and specific receptor sequences. For instance, the GRB family of proteins lack a defined catalytic activity and are entirely composed of SH2 and SH3 domains. Members include GRB2, GRB7, GRB10 (also referred to as GRB-IR), GRB14 and Grap (for GRB2-related adapter protein). While GRB10 and GRB14 are most closely related to GRB7, Grap shares the highest degree of homology with GRB2 exhibiting 59% sequence identity with GRB2. The Grap SH2 domain is capable of binding to the activated stem cell factor receptor, c-Kit and the erythropoietin receptor (EpoR). Grap also associates with the Ras guanine nucleotide exchange factor Sos 1 via

its amino terminal SH3 domain.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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