

GRB10 (Phospho-Ser500) Antibody

Catalog No: #12848



Package Size: #12848-1 50ul #12848-2 100ul

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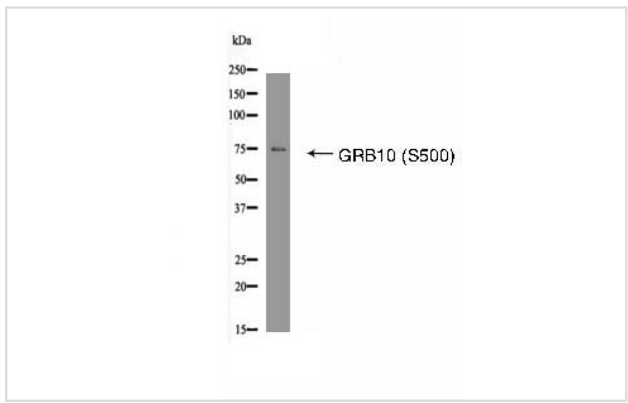
Description

Product Name	GRB10 (Phospho-Ser500) Antibody
Brief Description	Rabbit Polyclonal
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	Phospho-GRB10 (S500) Antibody detects endogenous levels of GRB10 only when phosphorylated at S500
Immunogen Type	Peptide-KLH
Immunogen Description	A synthesized peptide derived from human GRB10 (Phospho-Ser500)
Other Names	grb 10 antibody GRB IR antibody grb-10 antibody GRB10 adapter protein antibody GRB10 adaptor protein antibody GRB10 antibody GRB10_HUMAN antibody GRBIR antibody Growth factor receptor bound protein 10 antibody Growth factor receptor-bound protein 10 antibody Insulin receptor binding protein antibody Insulin receptor binding protein GRB IR antibody Insulin receptor-binding protein Grb-IR antibody IRBP antibody KIAA0207 antibody Maternally expressed gene 1 antibody MEG1 antibody RSS antibody
Accession No.	Swiss-Prot#:Q13322 NCBI Gene ID2887
Calculated MW	76
Concentration	1.0mg mL
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+) pH 7.4 150mM NaCl 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB dilution:1:1000

Images



Western blot analysis GRB10 (Phospho-Ser500) using HeLa whole cell lysates

Product Description

Recently GRB10 was shown to be a direct substrate of mTORC1 (5). It is phosphorylated by mTORC1 at Ser150, Ser428, and Ser476 upon insulin stimulation (5). The GRB7 family of adaptor proteins consist of GRB7, GRB10 and GRB14, which all contain an amino-terminal proline-rich SH3 binding domain, followed by PH, PBS, and SH2 domains. Each member of the family has several splice variants (1). It has been reported that GRB10 interacts with many receptor tyrosine kinases (RTKs) as well as downstream signal molecules including Raf, Akt, and Nedd4 (1,2). Although it was originally thought that GRB10 is exclusively phosphorylated at serine residues (3), Src kinase family members have been shown to phosphorylate GRB10 at Tyr67 (4).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.