G-Biosciences Image not found or type unknown

Immunotag™ Phospho-GRB10 (Ser476) Antibody

Antibody Specification

Catalog No.	ITA0675
Product Description	Immunotag™ Phospho-GRB10 (Ser476) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-GRB10 (Ser476)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human GRB10 around the phosphorylation site of Ser476.
Specificity	Phospho-GRB10 (Ser476) Antibody detects endogenous levels of GRB10.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	GRB10
Accession No.	Q13322

Antibody Specification

Alternate Names	grb 10; GRB IR; grb-10; GRB10 adapter protein; GRB10 adaptor protein; GRB10; GRB10_HUMAN; GRBIR; Growth factor receptor bound protein 10; Growth factor receptor-bound protein 10; Insulin receptor binding protein; Insulin receptor binding protein GRB IR; Insulin receptor-binding protein Grb-IR; IRBP; KIAA0207; Maternally expressed gene 1; MEG1; RSS;
Description	Adapter protein which modulates coupling of a number of cell surface receptor kinases with specific signaling pathways. Binds to, and suppress signals from, activated receptors tyrosine kinases, including the insulin (INSR) and insulin-like growth factor (IGF1R) receptors. The inhibitory effect can be achieved by 2 mechanisms: interference with the signaling pathway and increased receptor degradation. Delays and reduces AKT1 phosphorylation in response to insulin stimulation. Blocks association between INSR and IRS1 and IRS2 and prevents insulin-stimulated IRS1 and IRS2 tyrosine phosphorylation. Recruits NEDD4 to IGF1R, leading to IGF1R ubiquitination, increased internalization and degradation by both the proteasomal and lysosomal pathways. May play a role in mediating insulin-stimulated ubiquitination of INSR, leading to proteasomal degradation. Negatively regulates Wnt signaling by interacting with LRP6 intracellular portion and interfering with the binding of AXIN1 to LRP6. Positive regulator of the KDR/VEGFR-2 signaling pathway. May inhibit NEDD4-mediated degradation of KDR/VEGFR-2.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	80kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.