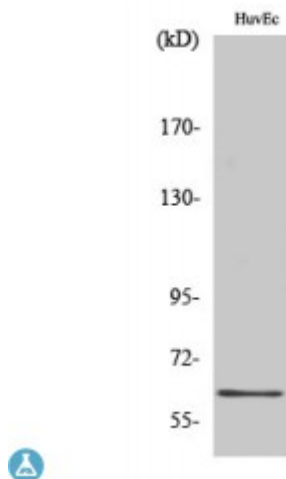


Anti-GRB14 antibody



Description	Rabbit polyclonal to GRB14.
Model	STJ93420
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human GRB14
Immunogen Region	50-130 aa, Internal
Gene ID	2888
Gene Symbol	GRB14
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	GRB14 Polyclonal Antibody detects endogenous levels of GRB14 protein.
Tissue Specificity	Expressed at high levels in the liver, kidney, pancreas, testis, ovary, heart and skeletal muscle.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Growth factor receptor-bound protein 14 GRB14 adapter protein
Molecular Weight	61 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4565OMIM:601524
Alternative Names	Growth factor receptor-bound protein 14 GRB14 adapter protein
Function	Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal.
Sequence and Domain Family	The PH domain binds relatively non-specifically and with low affinity to several phosphoinositides, the best binder being PI(3,4,5)P3.
Cellular Localization	Cytoplasm Endosome membrane. Upon insulin stimulation, translocates to the plasma membrane.
Post-translational Modifications	Phosphorylated on serine residues. Phosphorylated on tyrosine residues by TEK/TIE2.

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