Product Name: GRB14 Rabbit Polyclonal Antibody
Catalog #: APRab11749
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	61kDa

Antigen Information

Gene Name	GRB14
Alternative Names	GRB14; Growth factor receptor-bound protein 14; GRB14 adapter protein
Gene ID	2888.0
SwissProt ID	Q14449
Immunogen	The antiserum was produced against synthesized peptide derived from human GRB14. AA range:81-130

Background

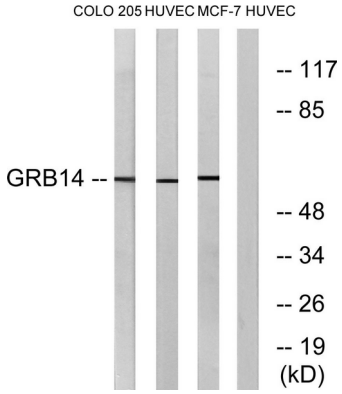
The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor

tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. This protein likely has an inhibitory effect on receptor tyrosine kinase signaling and, in particular, on insulin receptor signaling. This gene may play a role in signaling pathways that regulate growth and metabolism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],function:Interacts with the cytoplasmic domain of the autophosphorylated insulin receptor which is then inhibited. The interaction is mediated by the SH2 domain.,PTM:Phosphorylated on serine residues.,similarity:Belongs to the GRB7/10/14 family.,similarity:Contains 1 PH domain.,similarity:Contains 1 Ras-associating domain.,similarity:Contains 1 SH2 domain.,subunit:Binds to the ankyrin repeat region of TNKS2 via its N-terminus.,tissue specificity:Expressed at high levels in the liver, kidney, pancreas, testis, ovary, heart and skeletal muscle.,

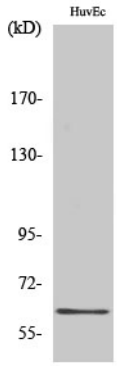
Research Area

Stem cell pathway

Image Data



Western blot analysis of lysates from HUVEC, COLO, and MCF-7 cells, using GRB14 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using GRB14 Polyclonal Antibody