ELK Biotechnology

GRB14 rabbit pAb

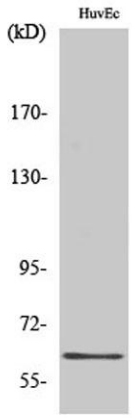
Cat No.:ES2473

For research use only

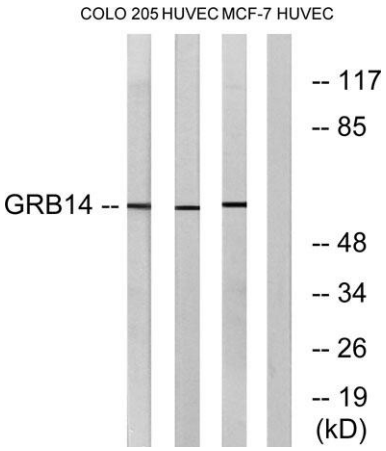
Overview

Product Name	GRB14 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GRB14. AA range:81-130
Specificity	GRB14 Polyclonal Antibody detects endogenous levels of GRB14 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Growth factor receptor-bound protein 14
Gene Name	GRB14
Cellular localization	Cytoplasm . Endosome membrane ; Peripheral membrane protein . Upon insulin stimulation, translocates to the plasma membrane. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	61kD
Human Gene ID	2888
Human Swiss-Prot Number	Q14449
Alternative Names	GRB14; Growth factor receptor-bound protein 14; GRB14 adapter protein
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

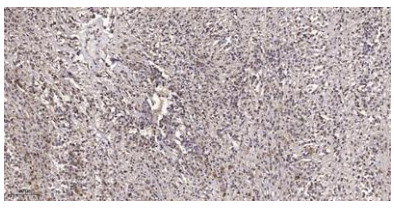
molecules. This gene encodes a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. This protein likely has an inhibitory effect on receptor tyrosine kinase signaling and, in particular, on insulin receptor signaling. This gene may play a role in signaling pathways that regulate growth and metabolism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],



Western Blot analysis of various cells using GRB14 Polyclonal Antibody



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.



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:2

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