

## GRB14 Polyclonal Antibody

<b>Catalog No :</b>	YT2055
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	GRB14
<b>Gene Name :</b>	GRB14
<b>Protein Name :</b>	Growth factor receptor-bound protein 14
<b>Human Gene Id :</b>	2888
<b>Human Swiss Prot No :</b>	Q14449
<b>Mouse Gene Id :</b>	50915
<b>Mouse Swiss Prot No :</b>	Q9JLM9
<b>Rat Gene Id :</b>	58844
<b>Rat Swiss Prot No :</b>	O88900
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human GRB14. AA range:81-130
<b>Specificity :</b>	GRB14 Polyclonal Antibody detects endogenous levels of GRB14 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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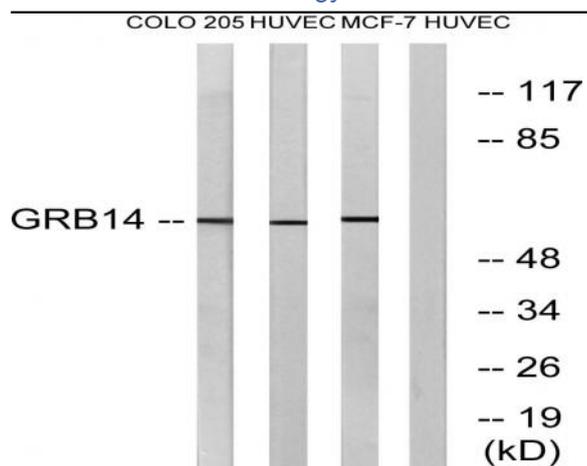
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	61kD
<b>Cell Pathway :</b>	Stem cell pathway
<b>Background :</b>	The product of this gene belongs to a small family of adapter proteins that are known to interact with a number 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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Cytoplasm . Endosome membrane ; Peripheral membrane protein . Upon insulin stimulation, translocates to the plasma membrane. .
<b>Expression :</b>	Expressed at high levels in the liver, kidney, pancreas, testis, ovary, heart and skeletal muscle.

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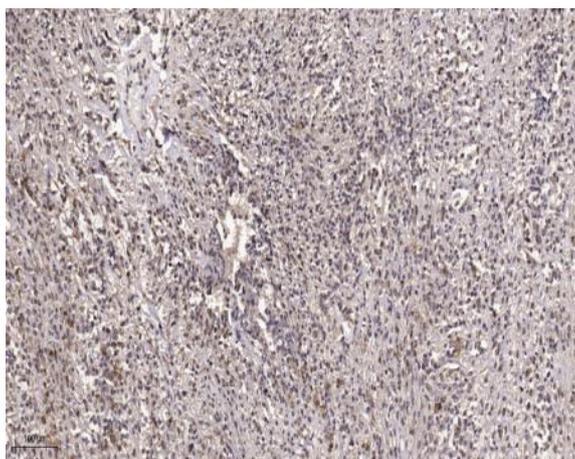
## Products Images



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 1:200