



# GRB14 Monoclonal Antibody

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | YP-mAb-03908  |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human;Mouse;Rat   |
| <b>Applications</b>       | WB  |
| <b>Gene Name</b>          | GRB14   |
| <b>Protein Name</b>       | Growth factor receptor-bound protein 14   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human GRB14. AA range:81-130  |
| <b>Specificity</b>        | GRB14 Monoclonal 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>             | Monoclonal, Mouse,IgG   |
| <b>Purification</b>       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Dilution</b>           | WB 1:500-1:2000   |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | ≥90%  |
| <b>Storage Stability</b>  | -20°C/1 year  |
| <b>Synonyms</b>           | GRB14; Growth factor receptor-bound protein 14; GRB14 adapter protein   |
| <b>Observed Band</b>      | 61kD  |
| <b>Cell Pathway</b>       | Cytoplasm . Endosome membrane ; Peripheral membrane protein . Upon insulin stimulation, translocates to the plasma membrane. .  |
| <b>Tissue Specificity</b> | Expressed at high levels in the liver, kidney, pancreas, testis, ovary, heart and skeletal muscle.  |
| <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>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],

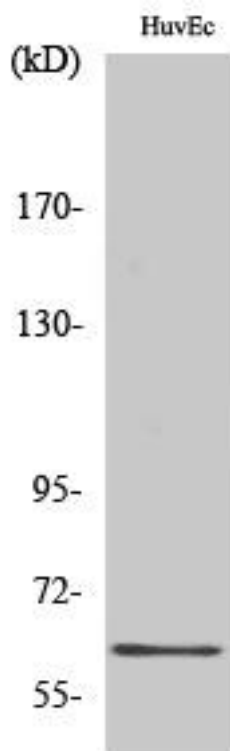
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using GRB14 Monoclonal Antibody