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GRB10 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GRB10.
Catalog # AT2257a

Specification

GRB10 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q13322
Other Accession	BC024285
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**67231**

GRB10 Antibody (monoclonal) (M01) - Additional Information

Gene ID 2887

Other Names
Growth factor receptor-bound protein 10, GRB10 adapter protein, Insulin receptor-binding protein Grb-IR, GRB10, GRBIR, KIAA0207

Target/Specificity
GRB10 (AAH24285, 61 a.a. ~ 150 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
GRB10 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

GRB10 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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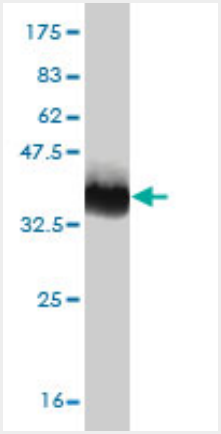
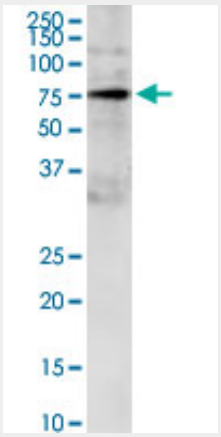
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

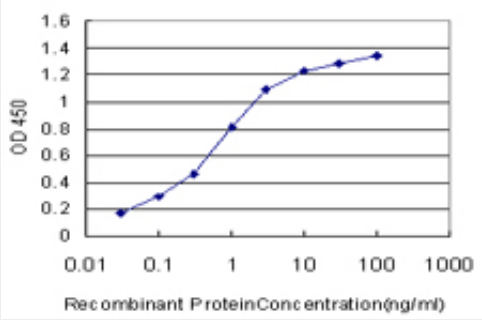
GRB10 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .



GRB10 monoclonal antibody (M01), clone 1A7. Western Blot analysis of GRB10 expression in IMR-32.



Detection limit for recombinant GST tagged GRB10 is approximately 0.03ng/ml as a capture antibody.

GRB10 Antibody (monoclonal) (M01) - 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. Overexpression of some isoforms of the encoded protein inhibits tyrosine kinase activity and results in growth suppression. This gene is imprinted in a highly isoform- and tissue-specific manner. Alternatively spliced transcript variants encoding different isoforms have been identified.

GRB10 Antibody (monoclonal) (M01) - References

Structural and functional studies of the Ras-associating and pleckstrin-homology domains of Grb10 and Grb14. Depetris RS, et al. Nat Struct Mol Biol, 2009 Aug. PMID 19648926.Reciprocal imprinting of human GRB10 in placental trophoblast and brain: evolutionary conservation of reversed allelic expression. Monk D, et al. Hum Mol Genet, 2009 Aug 15. PMID 19487367.Genome-wide association study and meta-analysis find that over 40 loci affect risk of type 1 diabetes. Barrett JC, et al. Nat Genet, 2009 Jun. PMID 19430480.Identification of novel candidate genes for type 2 diabetes from a genome-wide association scan in the Old Order Amish: evidence for replication from diabetes-related quantitative traits and from independent populations. Rampersaud E, et al. Diabetes, 2007 Dec. PMID 17846126.Systematic identification of SH3 domain-mediated human protein-protein interactions by peptide array target screening. Wu C, et al. Proteomics, 2007 Jun. PMID 17474147.