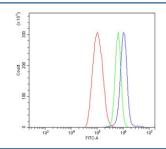


# GRB10 Antibody [clone 5H7] (RQ6357)

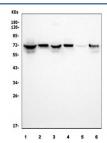
Catalog No.	Formulation	Size
RQ6357	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Monkey, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	5H7
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13322
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This GRB10 antibody is available for research use only.



Flow cytometry testing of human ThP-1 cells with GRB10 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GRB10 antibody.



Western blot testing of 1) human HEK293, 2) human HeLa, 3) monkey COS-7, 4) human HepG2, 5) rat kidney and 6) rat NRK cell lysate with GRB10 antibody. Expected molecular weight: 58-70 kDa.

## **Description**

GRB10, Growth factor receptor-bound protein 10, also known as insulin receptor-binding protein Grb-IR is a protein that in humans is encoded by the GRB10 gene. 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(e.g., IGF1R and IGF2R). 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.

## **Application Notes**

Optimal dilution of the GRB10 antibody should be determined by the researcher.

#### **Immunogen**

Recombinant human protein (amino acids M1-K251) was used as the immunogen for the GRB10 antibody.

#### **Storage**

After reconstitution, the GRB10 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.