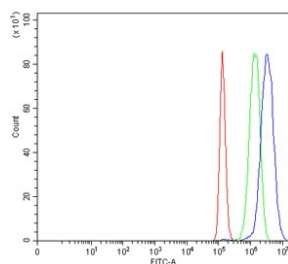


## Growth factor receptor bound protein 2 Antibody / GRB2 (RQ7278)

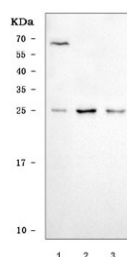
Catalog No.	Formulation	Size
RQ7278	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P62993
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Growth factor receptor bound protein 2 antibody is available for research use only.



Flow cytometry testing of human PC-3 cells with Growth factor receptor bound protein 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Growth factor receptor bound protein 2 antibody.



Western blot testing of human 1) 293T, 2) ThP-1 and 3) HL60 cell lysate with Growth factor receptor bound protein 2 antibody. Predicted molecular weight ~25 kDa.

## Description

GRB2, Growth factor receptor-bound protein 2, is an adaptor protein involved in signal transduction/cell communication. The GRB2 gene encodes a protein that has homology to noncatalytic regions of the SRC oncogene product. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. In humans, the GRB2 protein is encoded by the GRB2 gene. Grb2 is widely expressed and is essential for multiple cellular functions. The protein encoded by this gene binds receptors such as the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the sem-5 gene of *Caenorhabditis elegans*, which is involved in the signal transduction pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the Growth factor receptor bound protein 2 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids M1-V217) was used as the immunogen for the Growth factor receptor bound protein 2 antibody.

## Storage

After reconstitution, the Growth factor receptor bound protein 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.