

### **Anti-GRB2 Antibody**

**Catalog # ABO10893** 

## **Specification**

# **Anti-GRB2 Antibody - Product Information**

Application WB
Primary Accession P62993
Host Rabbit

Reactivity Human, Mouse, Rat

Clonality Polyclonal Lyophilized

**Description** 

Rabbit IgG polyclonal antibody for Growth factor receptor-bound protein 2(GRB2) detection. Tested with WB in Human; Mouse; Rat.

#### Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### **Anti-GRB2 Antibody - Additional Information**

**Gene ID 2885** 

#### **Other Names**

Growth factor receptor-bound protein 2, Adapter protein GRB2, Protein Ash, SH2/SH3 adapter GRB2, GRB2, ASH

## Calculated MW 25206 MW KDa

# **Application Details**

Western blot, 0.1-0.5 μg/ml, Human, Rat, Mouse<br>

#### **Subcellular Localization**

Nucleus . Cytoplasm . Endosome . Golgi apparatus .

#### **Protein Name**

Growth factor receptor-bound protein 2

#### **Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

### **Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human GRB2(184-201aa HVMDNSDPNWWKGACHGQ), identical to the related rat and mouse sequences.

#### **Purification**

Immunogen affinity purified.

#### **Cross Reactivity**



No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Sequence Similarities**Belongs to the GRB2/sem-5/DRK family.

## **Anti-GRB2 Antibody - Protein Information**

Name GRB2

**Synonyms** ASH

#### **Function**

Adapter protein that provides a critical link between cell surface growth factor receptors and the Ras signaling pathway.

## **Cellular Location**

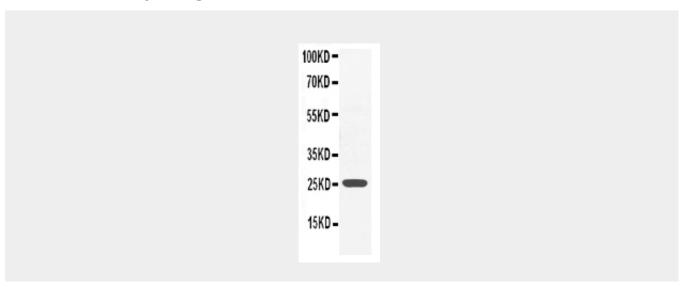
Nucleus. Cytoplasm. Endosome Golgi apparatus {ECO:0000250|UniProtKB:Q60631}

## **Anti-GRB2 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **Anti-GRB2 Antibody - Images**







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### Anti-GRB2 antibody, ABO10893, Western blottingWB: HELA Cell Lysate

#### **Anti-GRB2 Antibody - Background**

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.