

Anti-GRB2 Antibody
Catalog # ABO10893**Specification**

Anti-GRB2 Antibody - Product Information

Application	WB
Primary Accession	P62993
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	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

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 reconstitution, 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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GRB2 Antibody - Images



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.