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GRB2 Antibody (Y209) Blocking Peptide

Synthetic peptide
Catalog # BP6283a

Specification

GRB2 Antibody (Y209) Blocking Peptide - Product Information

Primary Accession P62993

GRB2 Antibody (Y209) Blocking Peptide - Additional Information

Gene ID 2885

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6283a was selected from the Y209 region of human GRB2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GRB2 Antibody (Y209) Blocking Peptide - 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}

GRB2 Antibody (Y209) Blocking Peptide - Protocols

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

- Blocking Peptides

GRB2 Antibody (Y209) Blocking Peptide - Images

GRB2 Antibody (Y209) Blocking Peptide - Background

GRB2 binds 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 Sem5 gene of C.elegans, which is involved in the signal transduction pathway.

GRB2 Antibody (Y209) Blocking Peptide - References

Kondo,A., J. Biol. Chem. 283 (3), 1428-1436 (2008)Morimatsu,M., Proc. Natl. Acad. Sci. U.S.A. 104 (46), 18013-18018 (2007)Martinez,N., Cell. Signal. 19 (11), 2277-2285 (2007)