

Datasheet

GRB2 polyclonal antibody

Catalog Number: PAB14689

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of GRB2.

Immunogen: A synthetic peptide corresponding to amino acids 198-217 of human GRB2.

Host: Rabbit

Theoretical MW (kDa): 26

Reactivity: Human

Applications: WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody recognizes Grb2, a highly conserved approximately 26 KDa adaptorprotein.

Form: Liquid

Recommend Usage: Western Blot (1 ug/mL)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2885

Gene Symbol: GRB2

Gene Alias: ASH, EGFRBP-GRB2, Grb3-3, MST084, MSTP084

Gene Summary: The protein encoded by this gene 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. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Tight association of GRB2 with receptor protein-tyrosine phosphatase alpha is mediated by the SH2 and C-terminal SH3 domains. den Hertog J, Hunter T. EMBO J. 1996 Jun 17;15(12):3016-27.
2. GRB2 and phospholipase C-gamma 1 associate with a 36- to 38-kilodalton phosphotyrosine protein after T-cell receptor stimulation. Sieh M, Batzer A, Schlessinger J, Weiss A. Mol Cell Biol. 1994 Jul;14(7):4435-42.
3. SH3 domains of the adapter molecule Grb2 complex with two proteins in T cells: the guanine nucleotide exchange protein Sos and a 75-kDa protein that is a substrate for T cell antigen receptor-activated tyrosine kinases. Reif K, Buday L, Downward J, Cantrell DA. J Biol Chem. 1994 May 13;269(19):14081-7.