9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

GRB2 polyclonal antibody

Catalog Number: PAB4939

Regulation Status: For research use only (RUO)

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

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to residues surrounding Y209 of human GRB2.

Host: Rabbit

Reactivity: Human

Applications: ELISA, IHC-P, WB-Tr
(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

Form: Liquid

Purification: Protein A purification

Recommend Usage: ELISA (1:1000)
Western Blot (1:50-100)
Immunohistochemistry (1:10-50)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
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. An analysis of the phosphoproteome of immune cell lines exposed to the immunomodulatory mycotoxin deoxynivalenol. da Costa AN, Keen JN, Wild CP, Findlay JB. Biochim Biophys Acta. 2011 Apr 13. [Epub ahead of print]
2. Multiple-state reactions between the epidermal growth factor receptor and Grb2 as observed by using single-molecule analysis. Morimatsu M, Takagi H, Ota KG, Iwamoto R, Yanagida T, Sako Y. Proc Natl Acad Sci U S A. 2007 Nov 13;104(46):18013-8. Epub 2007 Nov 8.
3. Coupling of Grb2 to Gab1 mediates hepatocyte growth factor-induced high intensity ERK signal required for inhibition of HepG2 hepatoma cell proliferation. Kondo A, Hirayama N, Sugito Y, Shono M, Tanaka T, Kitamura N. J Biol Chem. 2008 Jan 18;283(3):1428-36. Epub 2007 Nov 14.