



GRB2 mouse mAb

Catalog No	YP-Ab-03458
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	grb2
Immunogen	Recombinant protein of human GRB2.
Specificity	This antibody detects endogenous levels of GRB2 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ASH;Grb3-3;MST084;NCKAP2;MSTP084;EGFRBP-GRB2;GRB2;Abundant SRC homology;Adapter protein GRB2;Ash protein;EGFRBP GRB2;Epidermal growth factor receptor binding protein;Epidermal growth factor receptor binding protein GRB2;GRB 2;GRB2 adapter protein;GRB2_HUMAN;Grb3 3;Growth factor receptor bound protein 2;Growth factor receptor bound protein 3;Growth factor receptor-bound protein 2;HT027;OTTHUMP00000166096;OTTHUMP00000166097;OTTHUMP00000166098;Protein ASH;SEM5;SH2/SH3 adapter GRB2.
Observed Band	25kD
Calculated Molecular Weight	25kD
Cell Pathway	Nucleus . Cytoplasm . Endosome . Golgi apparatus .
Tissue Specificity	Brain,Cajal-Retzius cell,Epidermis,Epithelium,Fetal brain cortex,Fe
Function	alternative products:Additional isoforms seem to exist,domain:The SH3 domains mediate interaction with RALGPS1 and SHB.,function:Adapter protein that provides a critical link between cell surface growth factor receptors and the Ras signaling pathway.,function:Isoform GRB3-3 does not bind to phosphorylated epidermal growth factor receptor (EGFR) but inhibits EGF-induced



transactivation of a RAS-responsive element. Isoform GRB3-3 acts as a dominant negative protein over GRB2 and by suppressing proliferative signals, may trigger active programmed cell death.,similarity:Belongs to the GRB2/sem-5/DRK family.,similarity:Contains 1 SH2 domain.,similarity:Contains 2 SH3 domains.,subunit:Associates with activated Tyr-phosphorylated EGF receptors and PDGF receptors via its SH2 domain. Also associates to other cellular Tyr-phosphorylated proteins such as SIT1, IRS1, IRS4, SHC and LNK; probably via

Background

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, Jul 2008],

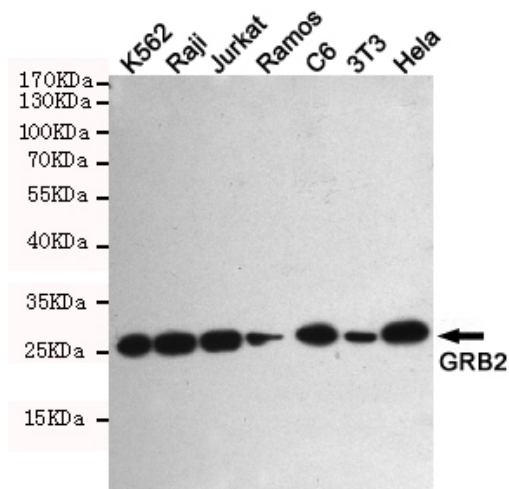
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of GRB2 in K562,Raji,Jurkat,Ramos,C6,3T3 and Hela cell lysates using GRB2 mouse mAb (1:1000 diluted).Predicted band size:25KDa.Observed band size:25KDa.