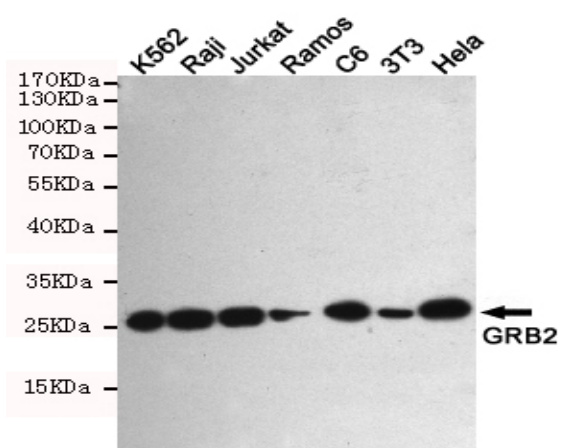


GRB2 mouse mAb

Catalog No :	YM1296
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	GRB2
Fields :	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>MAPK signaling pathway;>>ErbB signaling pathway;>>Ras signaling pathway;>>Chemokine signaling pathway;>>FoxO signaling pathway;>>Phospholipase D signaling pathway;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>Osteoclast differentiation;>>Focal adhesion;>>Gap junction;>>Signaling pathways regulating pluripotency of stem cells;>>JAK-STAT signaling pathway;>>Natural killer cell mediated cytotoxicity;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway;>>Fc epsilon RI signaling pathway;>>Thermogenesis;>>Neurotrophin signaling pathway;>>Insulin signaling pathway;>>GnRH signaling pathway;>>Estrogen signaling pathway;>>Prolactin signaling pathway;>>Relaxin signaling pathway;>>Growth hormone synthesis, secretion and action;>>Alcoholism;>>Hepatitis C;>>Hepatitis B;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Pathways in cancer;>>Viral carcinogenesis;>>Proteoglycans in cancer
Gene Name :	grb2
Human Gene Id :	2885
Human Swiss Prot No :	P62993
Mouse Swiss Prot No :	Q60631
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

Dilution :	<u>wb 1:1000</u>
Purification :	<u>The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.</u>
Concentration :	<u>1 mg/ml</u>
Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Observed Band :	<u>25kD</u>
Cell Pathway :	<u>MAPK_ERK_Growth;MAPK_G_Protein;ErbB_HER;Chemokine;Dorso-ventral axis formation;Focal adhesion;Gap junction;Jak_STAT;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;B_Cell_Antigen;Fc epsilon</u>
Background :	<u>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],</u>
Function :	<u>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</u>
Subcellular Location :	<u>Nucleus . Cytoplasm . Endosome . Golgi apparatus .</u>
Expression :	<u>Brain,Cajal-Retzius cell,Epidermis,Epithelium,Fetal brain cortex,Fe</u>

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.