

GRB2 monoclonal antibody

Catalog: MB0138

Host: Mouse

Reactivity: Human, Mouse, Rat, Monkey

Background:

Growth factor receptor bound protein 2 (GRB2), also known as Ash protein, is a 24 kDa protein that contains a central Src homology (SH2) domain flanked by two SH3 domains. GRB2 is believed to be a regulatory subunit of signaling molecules whose activity is modulated by receptor binding. GRB2 associates with activated (tyrosine phosphorylated) EGFR and PDGFR via its SH2 domain as well as IRS1, SHC, and LNK through SH2 and SH3 domains. The SH3 domain binds to SOS, a guanine nucleotide exchange factor for Ras proteins. Endocytosis of activated EGFR requires the interaction of GRB2 with the GTP binding protein dynamin, a factor essential to the formation of endocytotic vesicle. It is ubiquitously expressed and several isoforms are produced by alternative splicing. On SDS PAGE, GRB2 has an apparent molecular weight of 28 kDa.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size: 25KDa

Observed band size: 25KDa

Swiss-Prot:

P62993

Purification&Purity:

The antibody was affinity-purified from mouse ascites by

affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:200~1000

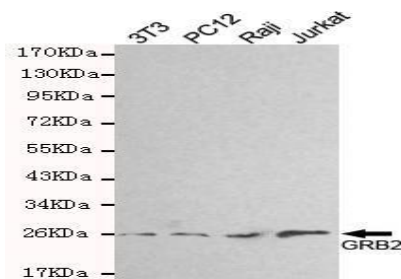
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of GRB2 and does not cross-react with related proteins

DATA:



Western blot detection of GRB2 in Jurkat, Raji, PC-12&3T3 cell lysates and using GRB2 antibody (1:500 diluted).

Note:

For research use only, not for use in diagnostic procedure.

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