

IGF1R-Beta monoclonal antibody

Catalog: MB21116

Host: Mouse

Reactivity: Human

Background:

IGF1R (insulin-like growth factor 1 receptor), a trans-membrane receptor tyrosine kinase, is widely expressed in many cell types within fetal and postnatal tissues, and in many cell lines. Upon binding to its ligands, IGF-I and IGF-II, receptor autophosphorylation occurs. The triple tyrosine cluster within the kinase domain (Tyr1131, Tyr1135 and Tyr1136) is the earliest major site of autophosphorylation. Phosphorylation of these three tyrosine residues is necessary for kinase activation. Insulin receptors (IRs) share significant similarity with IGF1 receptors in both structure and function, including an equivalent triple tyrosine cluster within the activation loop of the kinase domain (Tyr1146, Tyr1150 and Tyr1151). Tyrosine autophosphorylation of insulin receptor is one of the earliest cellular responses to insulin stimulation. Autophosphorylation begins with phosphorylation of Tyr1146 and either Tyr1150 or Tyr1151. Full kinase activation requires the triple tyrosine phosphorylation.

Product:

Ascitic fluid containing 0.03% sodium azide.

Molecular Weight:

96kDa

Swiss-Prot:

P08069

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immuno-

gen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC:1/200 - 1/1000

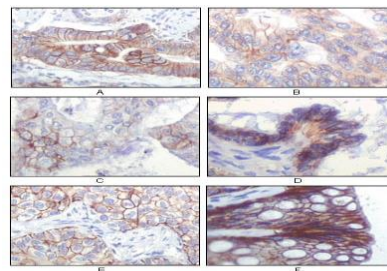
Storage&Stability:

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

Isotype:

Mouse IgG2b

DATA:



Immunohistochemical analysis of paraffin-embedded human gastric adenocarcinoma(A), colon adenocarcinoma(B), endometrial carcinoma(uterus)(C), ovary adenocarcinoma(D), lung squamous cell carcinoma(E), stomach epithelium mucosae(F), showing membrane localization using IGF1R-Beta mouse mAb with DAB staining.

Note:

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

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