

PI3-Kinase p85 alpha (1C8) Mouse mAb

db6611

Package : 50µL 100µL

Product Name : PI3-Kinase p85 alpha (1C8) Mouse mAb**Cat.No.:** db6611**Synonyms** : GRB1; p85 alpha; PI3K; PIK3R1**Application** : WB, IHC-P**Reactivity** : Human, Mouse, Rat**Host species** : Mouse**Background**

Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. Plays an important role in signaling in response to FGFR1, FGFR2, FGFR3, FGFR4, KITLG/SCF, KIT, PDGFRA and PDGFRB. Likewise, plays a role in ITGB2 signaling (PubMed/17626883, PubMed/19805105, PubMed/7518429). Modulates the cellular response to ER stress by promoting nuclear translocation of XBP1 isoform 2 in a ER stress- and/or insulin-dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement (PubMed/20348923).

Immunogen

Purified recombinant protein expressed in E.coli

Gene ID

5295

Swiss Prot

P27986

Synonyms

GRB1; p85 alpha; PI3K; PIK3R1

Reactivity

Human, Mouse, Rat

Application

WB, IHC-P

Recommended dilution

WB: 1:500-1:1000

IHC: 1:50-1:100

Calculated MW

84 kDa

Observed MW

84 kDa

Host species

Mouse

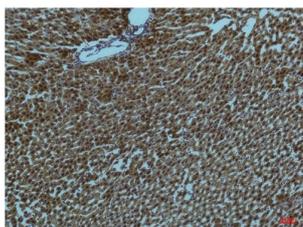
Clonality

Monoclonal

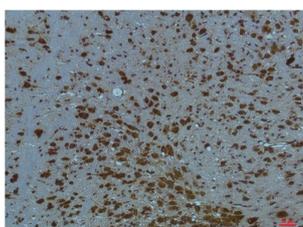
Clonality No.

1C8-2H4-9D9

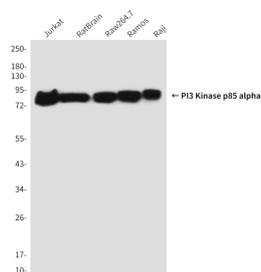
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



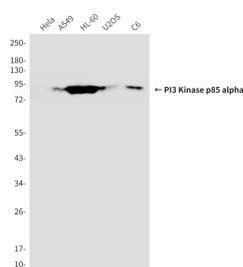
Immunohistochemistry analysis of paraffin-embedded rat Liver Tissue using PI3 Kinase p85 alpha (1C8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using PI3 Kinase p85 alpha (1C8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of PI3 Kinase p85 alpha (1C8) in Jurkat, rat Brain, Raw264.7, Ramos, Raji lysates using PI3 Kinase p85 alpha (1C8) antibody



Western blot analysis of PI3 Kinase p85 alpha (1C8) in HeLa, A549, HL-60, U2OS, C6 lysates using PI3 Kinase p85 alpha (1C8) antibody.