Anti-PI3 Kinase p85 alpha Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M013104

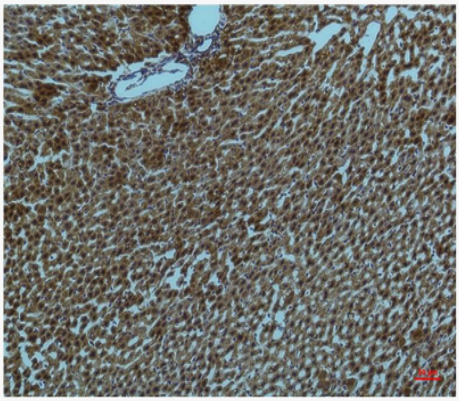
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse (Cell), Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	31L18M14
Isotype	IgG1
Label	Unconjugated
Immunogen	Purified recombinant protein expressed in E.coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PI3 Kinase p85 alpha antibody [31L18M14] is for research use only and not for use in diagnostic or therapeutic procedures.

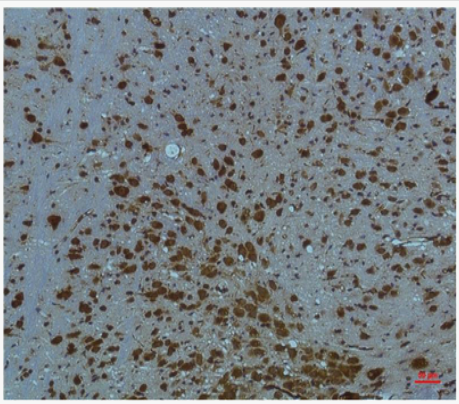
Protein Information

Synonyms	PIK3R1, GRB1, Phosphatidylinositol 3-kinase regulatory subunit alpha, PI3-kinase regulatory subunit alpha, PI3K regulatory subunit alpha, PtdIns-3-kinase regulatory subunit alpha, Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha, PI3-kinase subunit p85-alpha, PtdIns-3-kinase regulatory subunit p85-alpha.
Calculated MW	Calculated MW: 84 kDa; Observed MW: 84 kDa
Uniprot ID	P27986
Gene ID	5295
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.

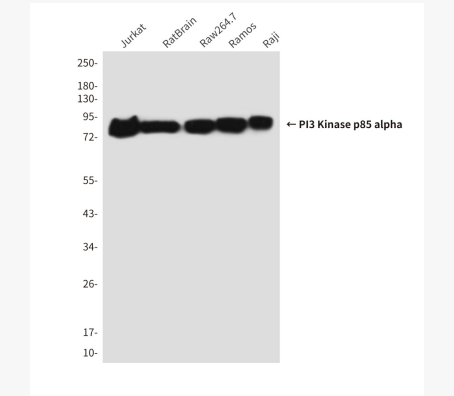
Validation Images



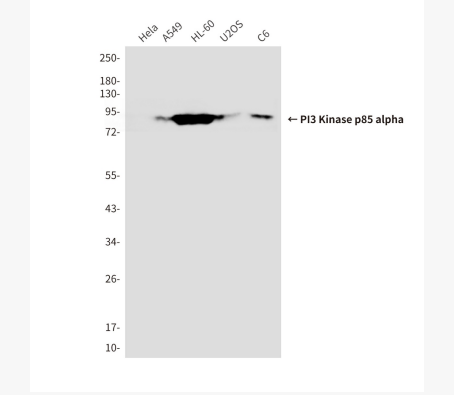
Immunohistochemistry analysis of paraffin-embedded rat Liver Tissue using PI3 Kinase p85 alpha antibody [31L18M14]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using PI3 Kinase p85 alpha antibody [31L18M14]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of PI3 Kinase p85 alpha in Jurkat, rat Brain, Raw264.7, Ramos, Raji lysates using PI3 Kinase p85 alpha antibody [31L18M14].



Western blot analysis of PI3 Kinase p85 alpha in Hela, A549, HL-60, U2OS, C6 lysates using PI3 Kinase p85 alpha antibody [31L18M14].