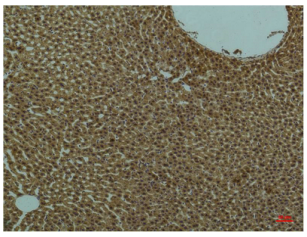
PI3-Kinase p85 alpha (3H5) Mouse mAb

db6610 **Package : 50μL 100μL**

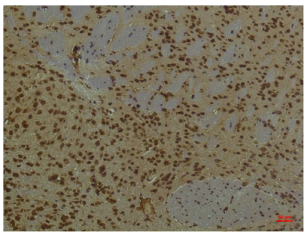
Product Name : PI3-Kinase p85 alpha (3H5) Mouse mAb
Cat.No.: db6610
Synonyms : GRB1; p85 alpha; PI3K; PIK3R1
Application : WB, IHC-P
Reactivity : Human, Mouse, Rat
Host species : Mouse

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.	3H5-1H4-9D2

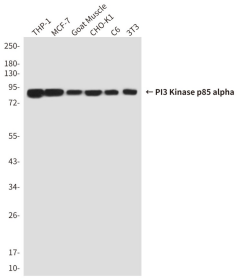
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



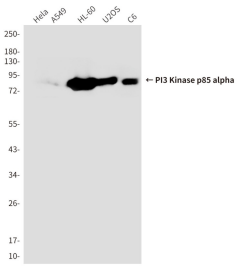
Immunohistochemistry analysis of paraffin-embedded rat Liver Tissue using PI3 Kinase p85 alpha (3H5) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using PI3 Kinase p85 alpha (3H5) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of PI3 Kinase p85 alpha (3H5) in THP-1, MCF-7, Goat Muscle, CHO-K1, C6, 3T3 lysates using PI3 Kinase p85 alpha (3H5) antibody



Western blot analysis of PI3 Kinase p85 alpha (3H5) in Hela, A549, HL-60, U2OS, C6 lysates using PI3 Kinase p85 alpha (3H5) antibody.