PI3-kinase p85- alpha (Phospho-Tyr607) Antibody

Catalog No: #AB12057

Package Size: #AB12057-1 50ul #AB12057-2 100ul

Orders: order@abscitech.com
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Description

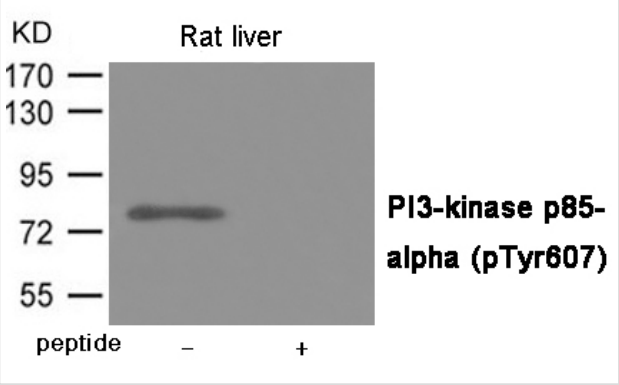
Product Name	PI3-kinase p85- alpha (Phospho-Tyr607) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of PI3-kinase p85- alpha only when phosphorylated at Tyrosine 607.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Tyrosine 607 (D-Q-Y(p)-S-L) derived from Human PI3-kinase p85-alpha.
Target Name	PI3-kinase p85- alpha
Modification	Phospho-Tyr607
Other Names	p85, AGM7, GRB1, p85-ALPHA
Accession No.	Swiss-Prot#: P27986; NCBI Gene#: 5295; NCBI Protein#: NP_001229395.1
SDS-PAGE MW	80kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

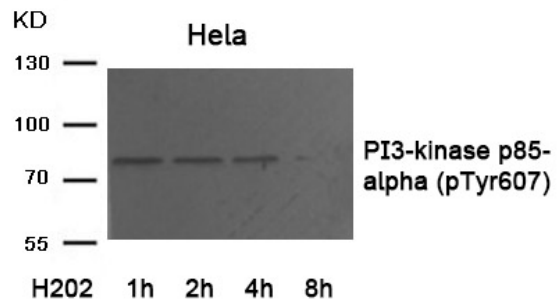
Predicted MW: 80kd

Western blotting: 1:500~1:1000

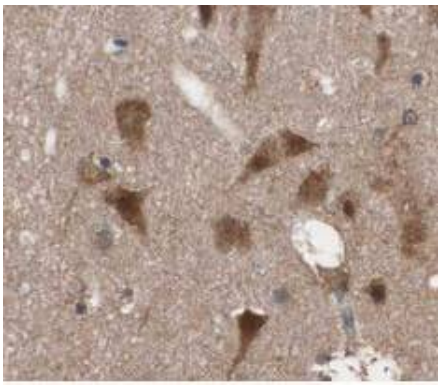
Images



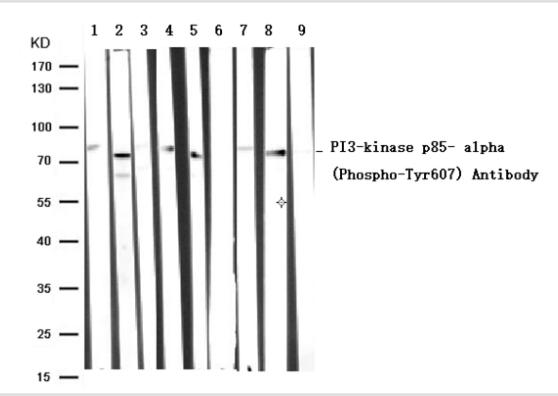
Western blot analysis of extracts from Rat liver tissue using PI3-kinase p85- alpha (Phospho-Tyr607) Antibody #AB12057.The lane on the right is treated with the antigen-specific peptide.



Western blot analysis of extracts from Hela cell treated with H2O2 using PI3-kinase p85- alpha (Phospho-Tyr607) Antibody #12057



Immunohistochemical analysis of paraffin-embedded human brain tissue tissue usingPI3-kinase p85- alpha (Phospho-Tyr607) Antibody #12057.



Lane 1 : N-peptide blocked MCF7 cell extract;
Lane 2 : MCF7 cell extract;
Lane 3 : P-peptide blocked MCF7 cell extract;
Lane 4 : N-peptide blocked Mouse brain tissue;
Lane 5 : Mouse brain tissue;
Lane 6 : P-peptide blocked Mouse brain tissue;
Lane 7 : N-peptide blocked Rat brain tissue;
Lane 8 : Rat brain tissue;
Lane 9 : P-peptide blocked Rat brain tissue;
Lysates/proteins at 40 µg per lane.
Predicted band size :B 80 kDa
Observed band size :B 80 kDa

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.