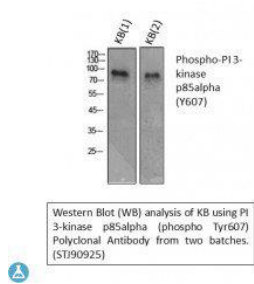


Cat. No:	ABP10906
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human PI 3-kinase p85alpha around the phosphorylation site of Y607.
Reactivity:	Hu, Ms, Rt, Chicken
Applications:	Western Blot: 1:500-1:2000 Immunohistochemistry: 1:100-1:300 ELISA: 1:10000
Molecular Weight:	85kDa
Purification:	The antibody was affinity-purified from rabbit antiserum by affinitychromatography using epitope-specific immunogen.
Synonyms:	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 P
Background:	<p>PI 3-kinase p85alpha is a protein encoded by the PIK3R1 gene which is approximately 83,5 kDa. PI 3-kinase p85alpha is localised to the cytoplasm, cytosol and nucleus. It is involved in RET signalling, the IL-2 pathway, downstream signalling of activated FGFR2, regulation of lipid metabolism and insulin signalling-generic cascades. It binds to activated protein-Tyr kinases, through its SH2 domain, and acts as an adapter in mediating the association of the p110 catalytic unit to the plasma membrane. It is necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. PI 3-kinase p85alpha isoform 2 and isoform 4 are present in skeletal muscle. Mutations in the PIK3R1 gene may result in Short syndrome and Agammaglobulinemia. ABP10906 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous PI 3-kinase p85alpha protein which only binds about Y607 when Y607 is phosphorylated. Phospho-PI 3-kinase p85alpha (Y607) Polyclonal Antibody detects endogenous levels of PI 3-kinase p85alpha protein only when phosphorylated at Y607. Tissue Specificity: Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidney and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).</p>
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C. Avoid freeze / thaw cycles



Western Blot analysis of K8 using PI3-kinase p85alpha (phospho TYR607) Polyclonal Antibody from two batches.

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