

Immunotag™ Phospho-PI3K p85 alpha (Tyr607) Antibody

Antibody Specification	
Catalog No.	ITA1012
Product Description	Immunotag™ Phospho-PI3K p85 alpha (Tyr607) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-PI3K p85 alpha (Tyr607)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:100-500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat,Pig
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PI3-kinase p85- alpha around the phosphorylation site of Tyrosine 607
Specificity	Phospho-PI3-kinase p85- alpha (Tyr607) Antibody detects endogenous levels of PI3-kinase p85- alpha only when phosphorylated at Tyrosine 607
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PIK3R1
Accession No.	P27986

Antibody Specification

Alternate Names	GRB 1; GRB1; p85 alpha; p85; P85A_HUMAN; Phosphatidylinositol 3 kinase associated p 85 alpha; Phosphatidylinositol 3 kinase regulatory 1; Phosphatidylinositol 3 kinase regulatory subunit alpha; Phosphatidylinositol 3 kinase regulatory subunit polypeptide 1 (p85 alpha); Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; Phosphatidylinositol 3-kinase regulatory subunit alpha; Phosphoinositide 3 kinase regulatory subunit 1 (alpha); Phosphoinositide 3 kinase regulatory subunit 1 (p85 alpha); Phosphoinositide 3 kinase regulatory subunit 1; Phosphoinositide 3 kinase regulatory subunit polypeptide 1 (p85 alpha); PI3 kinase p85 subunit alpha; PI3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PI3K; PI3K regulatory subunit alpha; Pik3r1; PtdIns 3 kinase p85 alpha; PtdIns-3-kinase regulatory subunit alpha; PtdIns-3-kinase regulatory subunit p85-alpha;
Description	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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	80kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.