G-Biosciences Image not found or type unknown

Immunotag™ PI3-kinase p85-alpha/gamma Antibody

Antibody Specification

Catalog No.	ITA1832
Product Description	Immunotag™ PI3-kinase p85-alpha/gamma 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	PI3-kinase p85-alpha/gamma
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 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PI3-kinase p85-alpha/gamma
Specificity	PI3-kinase p85-alpha/gamma Antibody detects endogenous levels of total PI3-kinase p85-alpha/gamma
Purification	The antiserum was purified by peptide affinity chromatography.
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/Q92569

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; DKFZp686P05226; FLJ41892; OTTHUMP00000009783; OTTHUMP00000009786; p55; p55 gamma; P55G_HUMAN; p55PIK; Phosphatidylinositol 3 kinase regulatory subunit gamma; Phosphatidylinositol 3 kinase regulatory subunit polypeptide 3; Phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55, gamma); Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; Phosphatidylinositol 3-kinase regulatory subunit gamma; Phosphoinositide 3 kinase regulatory subunit 3 (gamma); Phosphoinositide 3 kinase regulatory subunit 3; Phosphoinositide 3 kinase regulatory subunit polypeptide 3; Phosphoinositide 3 kinase, regulatory subunit 3 (p55, gamma); Phosphoinositide 3 kinase, regulatory subunit, polypeptide 3 (p55, gamma); PI3 kinase p85 subunit gamma; PI3-kinase regulatory subunit gamma; PI3-kinase subunit p55-gamma; PI3K regulatory subunit gamma; Pik3r3; PtdIns 3 kinase p85 gamma; PtdIns-3-kinase regulatory subunit gamma; PtdIns-3-kinase regulatory subunit p55-gamma;
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	54,83kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.