PI3-kinase p110 subunit alpha Conjugated Antibody

Catalog No: #C48329

Package Size: #C48329-AF350 100ul #C48329-AF405 100ul #C48329-AF488 100ul #C48329-AF555 100ul #C48329-AF594 100ul #C48329-AF647 100ul #C48329-AF680 100ul #C48329-AF750 100ul #C48329-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PI3-kinase p110 subunit alpha Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	5-bisphosphate 3-kinase 110 kDa catalytic subunit delta antibody 5-bisphosphate 3-kinase catalytic subunit delta isoform antibody APDS antibody GRB1 antibody IMD14 antibody p110d antibody p110delta antibody p110dp85a antibody p85-ALPHA antibody Phosphatidylinositol 3 kinase catalytic delta polypeptide antibody Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit delta isoform antibody Phosphatidylinositol 4,5 bisphosphate 3 kinase 110 kDa catalytic subunit delta antibody Phosphatidylinositol 4,5 bisphosphate 3 kinase, catalytic subunit delta antibody Phosphatidylinositol 45 bisphosphate 3 kinase catalytic subunit delta isoform antibody Phosphatidylinositol-4 antibody Phosphoinositide 3 kinase B antibody Phosphoinositide 3 kinase C antibody Phosphoinositide 3 kinase catalytic delta polypeptide antibody Phosphoinositide 3 kinase, catalytic, delta polypeptide variant p37delta antibody PI3 kinase p110 subunit delta antibody PI3-kinase subunit delta antibody PI3K antibody PI3K-delta antibody PI3Kdelta antibody Pik3cd antibody PIK3R1 antibody PK3CD antibody PK3CD_HUMAN antibody PtdIns 3 kinase p110 antibody PtdIns 3 kinase subunit p110 delta antibody PtdIns-3-kinase subunit delta antibody PtdIns-3-kinase subunit p110-delta antibody
Accession No.	Swiss-Prot#:P42336
Uniprot	P42336
GeneID	5290;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	110kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Phosphatidylinositol 3-kinase (PI 3-kinase) is composed of p85 and p110 subunits. p85 lacks PI 3-kinase activity and acts as an adapter, coupling p110 to activated protein tyrosine kinase. Two forms of p85 have been described (p85α and p85β), each possessing one SH3 and two SH2 domains.Various p110 isoforms have been identified. p110α and p110β interact with p85α, and p110α has also been shown to interact with p85β in vitro. p110δ expression is restricted to white blood cells. It has been shown to bind p85α and β, but it apparently does not phosphorylate these subunits. p110δ seems to have the capacity to autophosphorylate. p110γ does not interact with the p85 subunits. It has been shown to be activated by α and βγ heterotrimeric G proteins.

Note: This product is for in vitro research use only