PI 3 Kinase catalytic subunit alpha Conjugated Antibody

Catalog No: #C48751

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

Package Size: #C48751-AF350 100ul #C48751-AF405 100ul #C48751-AF488 100ul #C48751-AF555 100ul #C48751-AF594 100ul #C48751-AF647 100ul #C48751-AF680 100ul #C48751-AF750 100ul #C48751-Biotin 100ul

Description

Product Name	PI 3 Kinase catalytic subunit alpha Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha antibody 5-bisphosphate 3-kinase catalytic subunit alpha isoform antibody caPI3K antibody CLOVE antibody CWS5 antibody MCAP antibody MCM antibody MCMTC antibody MGC142161 antibody MGC142163 antibody p110 alpha antibody p110alpha antibody Phosphatidylinositol 3 kinase catalytic alpha polypeptide antibody Phosphatidylinositol 3 kinase catalytic 110 KD alpha antibody Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha antibody Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha isoform antibody Phosphatidylinositol 4,5 bisphosphate 3 kinase 110 kDa catalytic subunit alpha antibody Phosphatidylinositol-4 antibody Phosphoinositide 3 kinase catalytic alpha polypeptide antibody PI3 kinase p110 subunit alpha antibody PI3-kinase subunit alpha antibody PI3K antibody PI3K-alpha antibody PI3KC A antibody PIK3C A antibody Pik3ca antibody PK3CA antibody PK3CA_HUMAN antibody PtdIns 3 kinase p110 antibody PtdIns-3-kinase subunit alpha antibody PtdIns-3-kinase subunit p110-alpha antibody Serine/threonine protein kinase PIK3CA 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	124 kDa
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