



Rabbit Anti-PIK3R2 monoclonal antibody, clone TU15-88 (CABT-L665)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	PI 3 Kinase p85 beta
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Clone	TU15-88
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	82 kDa
Cellular Localization	Cytosol, nucleus
Positive Control	Raji, MCF-7, Hela, U937, SHG-44, rat testis tissue, rat brain tissue, rat colon tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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 (p85 α and p85 β), each possessing one SH3 and two SH2 domains. Various p110 isoforms have been identified. p110 α and p110 β interact with p85 α , and p110 α has also been shown to interact with p85 β in vitro. p110 α expression is restricted to white blood cells. It has been shown to bind p85 α and p85 β , but it apparently does not phosphorylate these subunits. p110 α seems to have the capacity to autophosphorylate. p110 α does not interact with the p85 subunits. It has been shown to be activated by α and β heterotrimeric G proteins.

Keywords

p85;p85 beta;P85B;P85B_HUMAN;Phosphatidylinositol 3 kinase;Phosphatidylinositol 3 kinase regulatory beta subunit;Phosphatidylinositol 3 kinase regulatory subunit beta;Phosphatidylinositol 3 kinase regulatory subunit polypeptide 2;Phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 2 (p85 beta);Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta;Phosphatidylinositol 3-kinase regulatory subunit beta;Phosphoinositide 3 kinase regulatory subunit 2 (beta);Phosphoinositide 3 kinase regulatory subunit 2;Phosphoinositide 3 kinase regulatory subunit polypeptide 2 (p85 beta);Phosphoinositide 3 kinase regulatory subunit polypeptide 2;Phosphoinositide 3 kinase, regulatory subunit 2 (beta);Phosphoinositide 3 kinase, regulatory subunit 2 (p85 beta);PI3 kinase p85 beta subunit;PI3 kinase p85 subunit beta;PI3-kinase regulatory subunit beta;PI3-kinase subunit p85-beta;PI3K;PI3K regulatory subunit beta;PIK3R 2;PIK3R2;PtdIns 3 kinase p85 beta;PtdIns-3-kinase regulatory subunit beta;PtdIns-3-kinase regulatory subunit p85-beta antibody
