



Rabbit Anti-PIK3R1 monoclonal antibody, clone TV15-18 (CABT-L658)

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

PRODUCT INFORMATION

Target	PI 3 Kinase p85 alpha
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TV15-18
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	84 kDa
Cellular Localization	Cytoplasm, membrane, nucleus.
Positive Control	Raji, MCF-7, Hela, MCF-7, HepG2, NIH/3T3, mouse kidney tissue, mouse heart tissue, human liver cancer tissue, human kidney 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	<p>Phosphatidylinositol 3-kinase (PI 3-kinase) phosphorylates the 3' OH position of the inositol ring of inositol lipids and is composed of p85 and p110 subunits. PI 3-kinase 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. PI 3-kinase p85α, also known as GRB1, phosphatidylinositol 3-kinase regulatory 1 or p85, is a 724 amino acid protein that exists as four alternatively spliced isoforms. Involved in insulin metabolism, defects in the PI 3-kinase p85α gene have been linked to insulin resistance. PI 3-kinase p85α is polyubiquitinated in T-cells by Cbl-b, and has multiple phosphorylated amino acid residues, including a phosphorylated tyrosine residue at position 467.</p>
Keywords	<p>GRB1;p85 alpha;p85;P85A_HUMAN;Phosphatidylinositol 3 kinase associated p 85 alpha;Phosphatidylinositol 3 kinase regulatory 1;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);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 antibody</p>