



Rabbit Anti-Human PIK3CB monoclonal antibody, clone TD1691 (DCABH-4187)

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

PRODUCT INFORMATION

| | |
|------------------------------|--------------------------------------|
| Target | PI3-kinase p110 subunit beta |
| Immunogen | Recombinant protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | TD1691 |
| Purification | Protein A purified. |
| Conjugate | Unconjugated |
| Applications | WB, IP, FC |
| Molecular Weight | 123 kDa |
| Cellular Localization | Cytoplasm, Nucleus. |
| Positive Control | Hela. |
| 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 expression is restricted to white blood cells. It has been shown to bind p85 α and β , but it apparently does not phosphorylate these subunits. p110 δ seems to have the capacity to autophosphorylate. p110 γ does not interact with the p85 subunits. It has been shown to be activated by α and β γ heterotrimeric G proteins.

Keywords

5-bisphosphate 3-kinase 110 kDa catalytic subunit beta;5-bisphosphate 3-kinase catalytic subunit beta
isoform;DKFZp779K1237;MGC133043;OTTHUMP00000216901;OTTHUMP00000216904;p110 BETA;p110Beta;Phosphatidylinositol 3 kinase catalytic beta polypeptide;Phosphatidylinositol 4 5 bisphosphate 3 kinase 110 kDa catalytic subunit beta;Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit beta isoform;Phosphatidylinositol-4;Phosphoinositide 3 kinase catalytic beta polypeptide;PI3 kinase p110 subunit beta;PI3-kinase subunit beta;PI3K;PI3K beta;PI3K-beta;PI3Kbeta;PI3KCB;PIK3C1;Pik3cb;PK3CB_HUMAN;PtdIns 3 kinase p110;PtdIns-3-kinase subunit beta;PtdIns-3-kinase subunit p110-beta antibody

GENE INFORMATION

Entrez Gene ID

[5291](#)

UniProt ID

[B4DER4](#)
