

## PI 3 Kinase p110 delta Rabbit mAb

Catalog No: #49634

Package Size: #49634-1 50ul #49634-2 100ul

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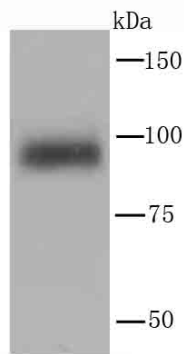
## Description

Product Name	PI 3 Kinase p110 delta Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM83-24
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
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#:O00329
Uniprot	O00329
GeneID	5293;
Calculated MW	110 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

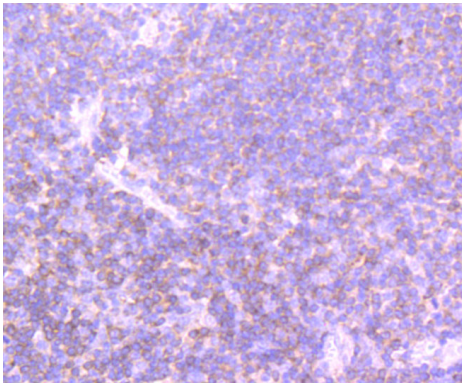
## Application Details

WB: 1:500 IHC: 1:50-1:200

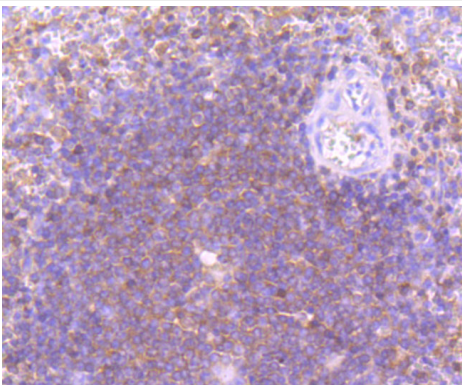
## Images



Western blot analysis of PI 3 Kinase p110 delta on mouse spleen tissue lysate using anti-PI 3 Kinase p110 delta antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-PI 3 Kinase p110 delta antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-PI 3 Kinase p110 delta antibody. Counter stained with hematoxylin.

## 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 (p85 $\alpha$  and p85 $\beta$ ), each possessing one SH3 and two SH2 domains. Various p110 forms have been identified. p110 $\alpha$  and p110 $\beta$  interact with p85 $\alpha$ , and p110 $\alpha$  has also been shown to interact with p85 $\beta$  in vitro. It has been shown to bind p85 $\alpha$  and  $\beta$ , but it apparently does not phosphorylate these subunits. p110 $\delta$  has the capacity to autophosphorylate and results in the nearly complete inactivation of the lipid kinase activity. Interestingly, p110 $\gamma$  does not interact with the p85 subunits and has been shown to be activated by  $\alpha$  and  $\beta\gamma$  heterotrimeric G proteins. Two p110 $\delta$  isoforms have been identified and are widely expressed. Isoform 1 is expressed predominantly in leukocytes while isoform 2 is expressed in normal thymus, lung and spleen tissues.

## References

Note: This product is for in vitro research use only