



## Rabbit Anti-phospho-PI 3 Kinase p110 delta (Tyr524) antibody

SL5587R

<b>Product Name:</b>	phospho-PI 3 Kinase p110 delta (Tyr524)
<b>Chinese Name:</b>	磷酸化磷脂酰肌醇激酶催化亚单位D抗体
<b>Alias:</b>	PI 3 Kinase p110 delta (phospho Tyr524); PIK3CD(phospho Y524); PI3 Kinase p110 delta; p110D; p110delta; Phosphatidylinositol 3 kinase catalytic delta polypeptide; Phosphatidylinositol 4 5 biphosphate 3 kinase catalytic subunit delta isoform; Phosphatidylinositol 45 biphosphate 3 kinase catalytic subunit delta isoform; Phosphoinositide 3 kinase B; Phosphoinositide 3 kinase C; Phosphoinositide 3 kinase catalytic delta polypeptide; PI3 kinase p110 subunit delta; PI3K; PIK3CD; PK3CD; PtdIns 3 kinase p110; PI 3 Kinase p110 delta.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	115kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human PIK3CD around the phosphorylation site of Tyr524:EL(p-Y)EH
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PubMed:**

[PubMed](#)

PI3-Kinases (PI3-Ks) are a family of lipid kinases that are implicated in signal transduction. PI3-K consists of two subunits; p85 and p110. The p85 subunit localizes PI3-K activity to the plasma membrane while the p110 subunit contains the catalytic domain of PI3-K. Four isoforms of p110 have been found; the alpha, beta, gamma, and the delta subunit. The delta isoform is predominantly expressed in leukocytes and has been shown to interact with p85 and GTP-bound Ras via its SH2/SH3 domain.

**Subunit:**

Heterodimer of a catalytic subunit PIK3CD and a p85 regulatory subunit (PIK3R1, PIK3R2 or PIK3R3). Interacts with ERAS.

**Tissue Specificity:**

Expressed predominantly in leukocytes.

**Similarity:**

Belongs to the PI3/PI4-kinase family.  
Contains 1 C2 PI3K-type domain.  
Contains 1 PI3K-ABD domain.  
Contains 1 PI3K-RBD domain.  
Contains 1 PI3K/PI4K domain.  
Contains 1 PIK helical domain.

**Product Detail:**

**SWISS:**  
O00329

**Gene ID:**  
5293

**Database links:**

[Entrez Gene: 5293](#) Human

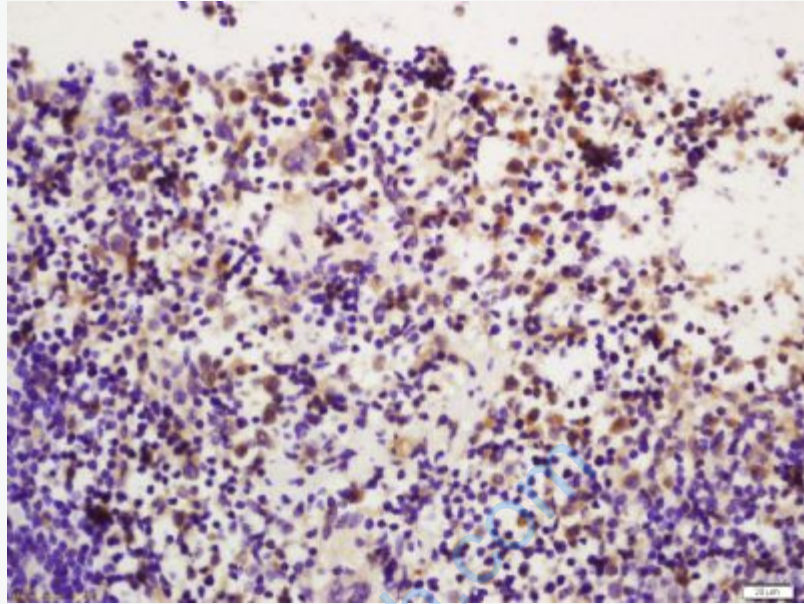
[Omim: 602839](#) Human

[SwissProt: O00329](#) Human

[Unigene: 518451](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Tissue/cell: mouse spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-phospho-PI 3 Kinase p110 delta (Tyr524) Polyclonal Antibody, Unconjugated (SL5587R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining