

Product Name: PI 3-kinase p85 β Rabbit Polyclonal Antibody
Catalog #: APRab16104

Summary

Production Name	PI 3-kinase p85 β Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PIK3R2 PIK3R2; Phosphatidylinositol 3-kinase regulatory subunit beta; PI3-kinase regulatory
Alternative Names	subunit beta; PI3K regulatory subunit beta; PtdIns-3-kinase regulatory subunit beta; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta; PI3-kina
Gene ID	5296.0
SwissProt ID	O00459.The antiserum was produced against synthesized peptide derived from human PI 3-kinase p85beta. AA range:409-458

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	85kD

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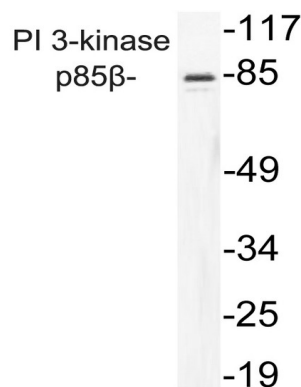
Background

Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2012],function: Binds to activated (phosphorylated) protein-tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane.,similarity: Belongs to the PI3K p85 subunit family.,similarity: Contains 1 Rho-GAP domain.,similarity: Contains 1 SH3 domain.,similarity: Contains 2 SH2 domains.,subunit: Heterodimer of a p110 (catalytic) and a p85 (regulatory) subunits.,

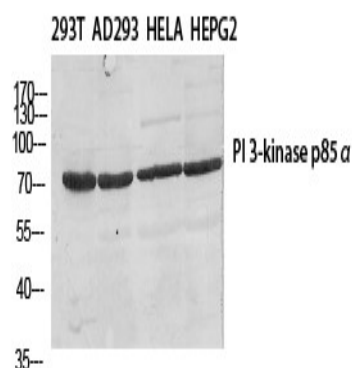
Research Area

Regulates Angiogenesis; Regulation_Microtubule; Regulation of Actin Dynamics; SAPK_JNK; Stem cell pathway; Insulin Receptor; ErbB/HER; AMPK; mTOR; B Cell Receptor; Adherens_Junction

Image Data



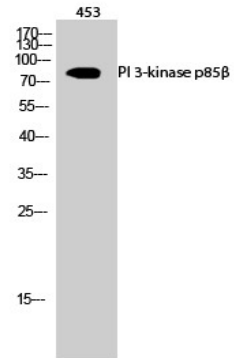
Western blot analysis of lysate from Jurkat cells, using PI 3-kinase p85 β antibody.



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Western Blot analysis of various cells using PI 3-kinase p85 β Polyclonal Antibody diluted at 1 : 500



Western Blot analysis of 453 cells using PI 3-kinase p85 β Polyclonal Antibody diluted at 1 : 500

Note

For research use only.