



PI 3-kinase p85 α rabbit pAb

Cat No.:ES3199

For research use only

Overview

Product Name	PI 3-kinase p85 α rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PI3-kinase p85-alpha. AA range:573-622
Specificity	PI 3-kinase p85 α Polyclonal Antibody detects endogenous levels of PI 3-kinase p85 α protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Phosphatidylinositol 3-kinase regulatory subunit alpha
Gene Name	PIK3R1
Cellular localization	nucleus,cytoplasm,cis-Golgi network,cytosol,plasma membrane,cell-cell junction,phosphatidylinositol 3-kinase complex,phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic reticulum membrane,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	85kD
Human Gene ID	5295
Human Swiss-Prot Number	P27986
Alternative Names	PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase regulatory



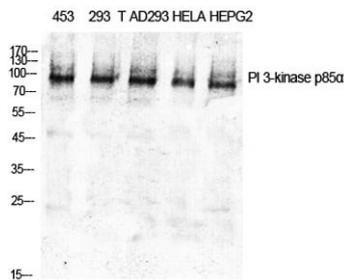


Background

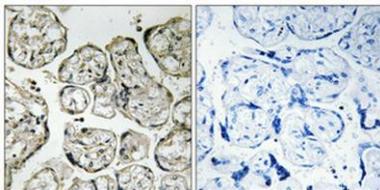
subunit alpha; PI3K regulatory subunit alpha;
PtdIns-3-kinase regulatory subunit alpha;
Phosphatidylinositol 3-kinase 85 kDa regulatory
subunit alph

Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011],

Western Blot analysis of various cells using PI 3-kinase p85 α Polyclonal Antibody diluted at 1:1000



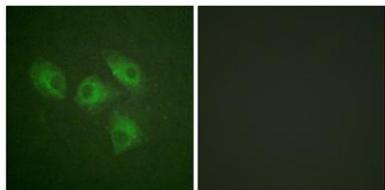
Immunohistochemical analysis of paraffin-embedded Human placenta. Antibody was diluted at 1:100(4 $^{\circ}$ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



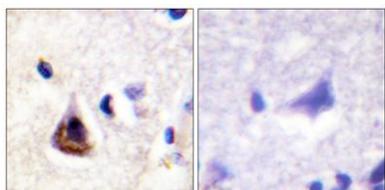


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Immunofluorescence analysis of HeLa cells, using PI3-kinase p85-alpha Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PI3-kinase p85-alpha Antibody. The picture on the right is blocked with the synthesized peptide.



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