



PI3 Kinase Class III (phospho-Ser249) rabbit pAb

Catalog No	YP-Ab-10390
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA;IHC
Gene Name	PIK3C3 VPS34
Protein Name	PI3 Kinase Class III (Ser249)
Immunogen	Synthesized phosho peptide around human PI3 Kinase Class III (Ser249)
Specificity	This antibody detects endogenous levels of Human PI3 Kinase Class III (phospho-Ser249)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Phosphatidylinositol 3-kinase catalytic subunit type 3 (PI3-kinase type 3) (PI3K type 3) (PtdIns-3-kinase type 3) (EC 2.7.1.137) (Phosphatidylinositol 3-kinase p100 subunit) (Phosphoinositide-3-kinase class 3) (hVps34)
Observed Band	100kD
Cell Pathway	Midbody . Late endosome . Cytoplasmic vesicle, autophagosome . As component of the PI3K complex I localized to pre-autophagosome structures. As component of the PI3K complex II localized predominantly to endosomes (PubMed:14617358). Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme (By similarity). .
Tissue Specificity	Ubiquitously expressed, with a highest expression in skeletal muscle.
Function	catalytic activity:ATP + 1-phosphatidyl-1D-myo-inositol = ADP + 1-phosphatidyl-1D-myo-inositol 3-phosphate.,cofactor:Manganese.,function:Catalytic subunit of the PI3K complex. Involved in the transport of lysosomal enzyme precursors to lysosomes.,similarity:Belongs to the PI3/PI4-kinase family.,similarity:Contains 1 PI3K/PI4K domain.,subunit:Probably forms a complex with AMBRA1 and BECN1 (By similarity). Heterodimer. This subunit, part of a complex composed of regulatory and catalytic subunits, associates with regulatory subunit PIK3R4.,tissue specificity:Ubiquitously expressed, with a highest expression in skeletal muscle.,



Background

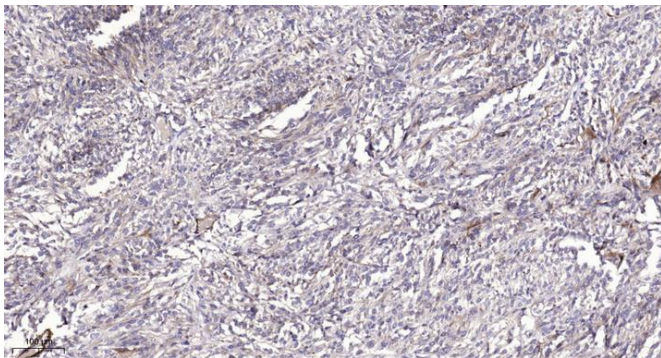
matters needing attention

Avoid repeated freezing and thawing!

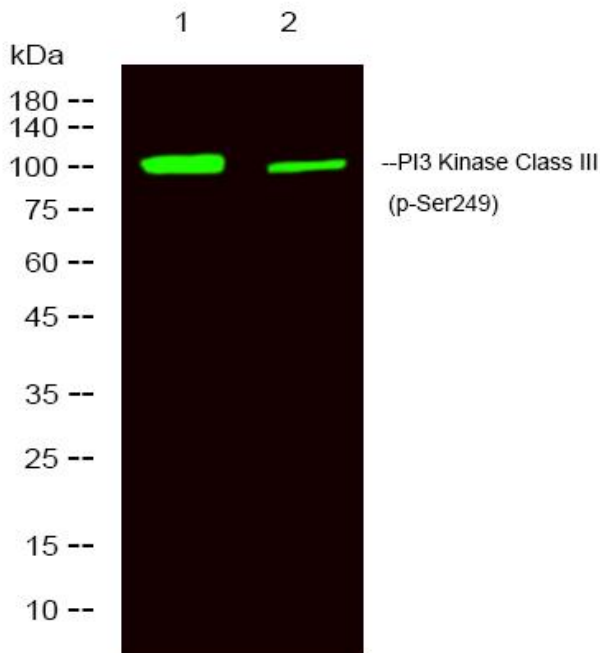
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Western Blot analysis of 1 Jurkat treated with LPS, 2 Jurkat, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000