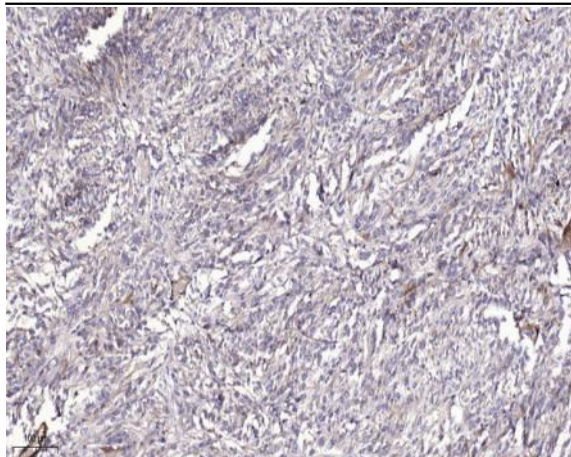


PI3 Kinase Class III (Phospho Ser249) rabbit pAb

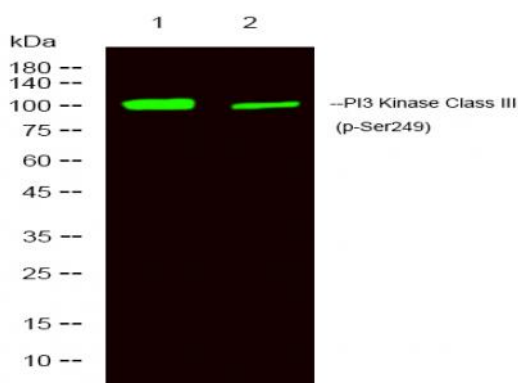
Catalog No :	YP1435
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	PI 3 Kinase Class 3
Fields :	>>Inositol phosphate metabolism;>>Metabolic pathways;>>Phosphatidylinositol signaling system;>>Autophagy - other;>>Autophagy - animal;>>Phagosome;>>Apelin signaling pathway;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases;>>Shigellosis;>>Salmonella infection;>>Tuberculosis;>>Kaposi sarcoma-associated herpesvirus infection
Gene Name :	PIK3C3 VPS34
Protein Name :	PI3 Kinase Class III (Ser249)
Human Gene Id :	5289
Human Swiss Prot No :	Q8NEB9
Mouse Gene Id :	225326
Mouse Swiss Prot No :	Q6PF93
Rat Gene Id :	65052
Rat Swiss Prot No :	O88763
Immunogen :	Synthesized phospho 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
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	100kD
Cell Pathway :	Inositol phosphate metabolism;Phosphatidylinositol signaling system;Regulation of autophagy;
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.,
Subcellular Location :	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). .
Expression :	Ubiquitously expressed, with a highest expression in skeletal muscle.
Tag :	orthogonal
Sort :	12684
No4 :	1

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