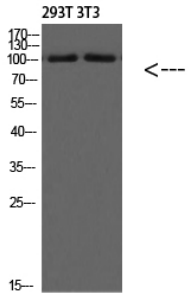
PI 3 Kinase Class 3 Polyclonal Antibody

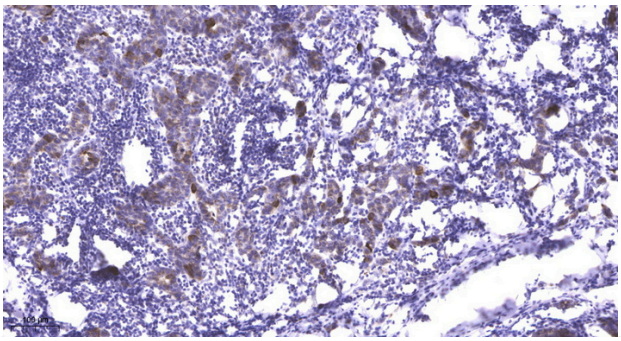
Catalog No	YP-Ab-10588
Isotype	IgG
Reactivity	Human;Mouse;Rat;Predicted:Cow:PIG
Applications	WB;IHC
Gene Name	PIK3C3 VPS34
Immunogen	Synthetic Peptide of PI 3 Kinase Class 3
Specificity	This antibody detects endogenous levels of PI 3 Kinase Class 3 Polyclonal Antibody at Human;Mouse;Rat;Predicted:Cow:PIG
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 antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PIK3C3;EC:2.7.1.137;hVps34;PI 3 Kinase Class 3;PI 3-kinase p100;PIK3C3 VPS34;phosphoinositide-3-kinase;class 3
Observed Band	100kD
Calculated Molecular Weight	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	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.,
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



Western Blot analysis of 293T 3T3 cells using PI 3 Kinase Class 3 Polyclonal Antibody diluted at 1:1500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human Breast 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).