

# Immunotag™ PI 3 Kinase Class 3 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5759
Product Description	Immunotag™ PI 3 Kinase Class 3 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PI 3 Kinase Class 3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000, ELISA 1:10000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat,Predicted:Cow:PIG
Host Species	Rabbit
Immunogen	Synthetic Peptide of PI 3 Kinase Class 3
Specificity	PI 3 Kinase Class 3 Polyclonal Antibody detects endogenous levels of PI 3 Kinase Class 3
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PIK3C3 VPS34
Accession No.	Q8NEB9 Q6PF93 O88763
Alternate Names	phosphoinositide-3-kinase, class 3

## Antibody Specification

Description	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.,
Cell Pathway/ Category	Inositol phosphate metabolism,Phosphatidylinositol signaling system,Regulation of autophagy,
Protein Expression	Testis,Uterus,
Subcellular Localization	intracellular,late endosome,cytosol,axoneme,phosphatidylinositol 3-kinase complex,membrane,midbody,phagocytic vesicle membrane,phosphatidylinositol 3-kinase complex, class III,autolysosome,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.