

PIK3C3 Conjugated Antibody

Catalog No: #C37356



Package Size: #C37356-AF350 100ul #C37356-AF405 100ul #C37356-AF488 100ul
 #C37356-AF555 100ul #C37356-AF594 100ul #C37356-AF647 100ul
 #C37356-AF680 100ul #C37356-AF750 100ul #C37356-Biotin 100ul

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Description

Product Name	PIK3C3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total PIK3C3 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human phosphatidylinositol 3-kinase, catalytic subunit type 3
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	VPS34; hVps34
Accession No.	Swiss-Prot#:Q8NEB9NCBI Gene ID:5289NCBI Protein#:NP_037457
Uniprot	Q8NEB9
GeneID	5289;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Phosphatidylinositol 3-kinase catalytic subunit type 3 is an enzyme that in humans is encoded by the PIK3C3 gene. PI3KC3 is a catalytic subunit of the PI3K complex involved in the transport of lysosomal enzyme precursors to lysosomes. This enzyme acts catalytically to convert 1-phosphatidyl-1D-myo-inositol to 1-phosphatidyl-1D-myo-inositol 3-phosphate. Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation.

Note: This product is for in vitro research use only