FYCO1 Polyclonal Antibody

Catalog No	YP-Ab-05592
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	FYCO1 ZFYVE7
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	FYCO1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FYCO1;RUFY3;ZFYVE7;FYCO1 ZFYVE7;FYVE and coiled-coil domain-containing protein 1 (Zinc finger FYVE domain-containing protein 7)
Observed Band	167-180 kDa
Calculated Molecular Weight	1478 aa, 167 kDa
Cell Pathway	Cytoplasmic vesicle, autophagosome. Endosome. Lysosome. Localizes to the external but not to the internal membrane of autophagosomes, and upon autophagosome/late endosome/lysosome fusion, it stays on the external surface of autolysosomes.
Tissue Specificity	Expressed in heart and skeletal muscle.
Function	PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity:Contains 1 FYVE-type zinc finger.,similarity:Contains 1 GOLD domain., similarity:Contains 1 RUN domain.,tissue specificity:Expressed in heart and skeletal muscle.,
Background	FYVE and coiled-coil domain containing 1(FYCO1) Homo sapiens This gene encodes a protein that contains a RUN domain, FYVE-type zinc finger domain and Golgi dynamics (GOLD) domain. The encoded protein plays a role in microtubule plus end-directed transport of autophagic vesicles through

	interactions with the small GTPase Rab7, phosphatidylinositol-3-phosphate (PI3P) and the autophagosome marker LC3. Mutations in this gene are a cause of autosomal recessive congenital cataract-2 (CATC2). [provided by RefSeq, Dec 2011],
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.

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