

**FYCO1 rabbit pAb****Cat#: orb772540 (Manual)**

For research use only. Not intended for diagnostic use.

<b>Product Name</b>	FYCO1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	FYCO1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	FYVE and coiled-coil domain-containing protein 1 (Zinc finger FYVE domain-containing protein 7)
<b>Gene Name</b>	FYCO1 ZFYVE7
<b>Cellular localization</b>	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.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Clonality</b>	Polyclonal
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<b>Concentration</b>	1 mg/ml
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<b>Observed band</b>	162kD
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<b>Human Gene ID</b>	79443
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<b>Human Swiss-Prot Number</b>	Q9BQS8
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<b>Alternative Names</b>	
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**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],