

## Product datasheet for **TA392690S**

### ULK1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to residues in Human VPS34.
Specificity:	VPS34 polyclonal antibody detects endogenous levels of VPS34 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 100 kDa
Gene Name:	unc-51 like autophagy activating kinase 1
Database Link:	<a href="#">Entrez Gene 8408 Human O75385</a>
Background:	VPS34 (vacuolar protein sorting-associated protein 34), also known as VPT29, VPL7, PEP15 or END12, is a 875 amino acid peripheral membrane protein that localizes to the golgi apparatus. Belonging to the PI3/PI4-kinase family, VPS34 is involved in endosome-to-Golgi retrograde transport as part of the VPS34 PI3-kinase complex II. The VPS34 PI3-kinase complex II is required for the endosome-to-Golgi retrieval of PEP1 and KEX2, and the recruitment of VPS5 and VPS7, two components of the retromer complex, to endosomal membranes. It has been suggested that VPS34 may also be involved in ethanol tolerance and cell wall integrity.



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**Synonyms:** hVps34; Phosphatidylinositol 3-kinase catalytic subunit type 3 (EC:2.7.1.137); Phosphatidylinositol 3-kinase p100 subunit; Phosphoinositide-3-kinase class 3; PI3-kinase type 3; PI3K type 3; PIK3C3; PtdIns-3-kinase type 3

**Note:** For research use only, not for use in diagnostic procedure.

**Product images:**

