

Product datasheet for TA392690S

ULK1 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: WB: 1:500~1:1000 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: Entrez Gene 8408 Human

<u>075385</u>

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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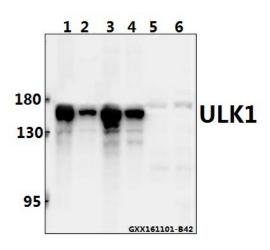
Synonyms: hVps34; Phosphatidylinositol 3-kinase catalytic subunit type 3 (EC:2.7.1.137);

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:



Western blot (WB) analysis of ULK1 polyclonal antibody at 1:1000 dilution Lane1:L02 whole cell lysate(20ug) Lane2:Panc1 whole cell lysate(20ug) Lane3:HEK293T whole cell lysate(40ug) Lane4:HCC827 whole cell lysate(40ug) Lane5:The Brain tissue lysate of Rat(40ug) Lane6:The Brain tissue lysate of Mouse(40ug)