

## ZFYV1 rabbit pAb

Catalog No: YT7131

Human; Mouse Reactivity:

**Applications:** WB

Target: ZFYV1

Fields: >>Autophagy - animal;>>Pathways of neurodegeneration - multiple diseases

**Gene Name:** ZFYVE1 DFCP1 KIAA1589 TAFF1 ZNFN2A1 PP10436

**Protein Name:** ZFYV1

**Human Gene Id:** 53349

**Human Swiss Prot** 

No:

Mouse Gene Id: 217695

**Mouse Swiss Prot** 

No:

Synthesized peptide derived from human ZFYV1 AA range: 318-368 Immunogen:

This antibody detects endogenous levels of ZFYV1 at Human/Mouse **Specificity:** 

**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Polyclonal, Rabbit, IgG Source:

Q9HBF4

Q810J8

**Dilution:** WB 1?500-2000

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration:** 1 mg/ml

1/2

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 85kD

**Background:** 

The FYVE domain mediates the recruitment of proteins involved in membrane trafficking and cell signaling to phosphatidylinositol 3-phosphate-containing membranes. This protein contains two zinc-binding FYVE domains in tandem and is reported to localize to the Golgi apparatus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013],

**Function:** 

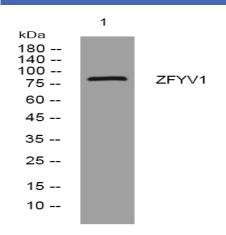
sequence caution:Translated as Trp.,similarity:Contains 2 FYVE-type zinc fingers.,subcellular location:Resides predominantly in the cisternal stacks of the Golgi.,subunit:Binds to phosphatidylinositol-3-phosphate (PtdIns3P) through its FYVE-type zinc finger.,tissue specificity:Isoform 1 was expressed in all tissues examined, including, brain, placenta, lung, liver, skeletal muscle, pancreas and kidney. Both isoforms, 1 and 2 showed a high expression in heart. Isoform 2 is also detected in the testis.,

Subcellular Location : Golgi apparatus, Golgi stack . Golgi apparatus . Endoplasmic reticulum . Lipid droplet . Preautophagosomal structure . Mitochondrion . Resides predominantly in the cisternal stacks of the Golgi (PubMed:11256955). Colocalizes with TRIM13 on the perinuclear endoplasmic reticulum (PubMed:22178386). During starvation conditions, localizes to omegasomes which are endoplasmic reticulum connected strutures at the origin of preautophagosomal structures (PubMed:31293035, PubMed:25876663). Localizes to lipid droplets in the presence of oleic acid (PubMed:31293035, PubMed:30970241). .

**Expression:** 

[Isoform 2]: Highly expressed in heart. Also detected in the testis.; [Isoform 1]: Expressed in all tissues examined, including, brain, placenta, lung, liver, skeletal muscle, pancreas and kidney. Highly expressed in heart.

## **Products Images**



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night