

ZFYVE1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57415**Specification**

ZFYVE1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9HBF4
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87176

ZFYVE1 Polyclonal Antibody - Additional Information**Gene ID** 53349**Other Names**

Zinc finger FYVE domain-containing protein 1, Double FYVE-containing protein 1, SR3, Tandem FYVE fingers-1, ZFYVE1, DFPC1, KIAA1589, TAFF1, ZNFN2A1

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

ZFYVE1 Polyclonal Antibody - Protein Information**Name** ZFYVE1**Synonyms** DFPC1, KIAA1589, TAFF1, ZNFN2A1**Function**

Plays a role in the formation of lipid droplets (LDs) which are storage organelles at the center of lipid and energy homeostasis (PubMed: [30970241](http://www.uniprot.org/citations/30970241)). Regulates the morphology, size and distribution of LDs (PubMed: [30970241](http://www.uniprot.org/citations/30970241), PubMed: [31293035](http://www.uniprot.org/citations/31293035)). Mediates the formation of endoplasmic reticulum-lipid droplets (ER-LD) contacts by forming a complex with RAB18 and ZW10 (PubMed: [30970241](http://www.uniprot.org/citations/30970241)). Binds to phosphatidylinositol 3-phosphate (PtdIns3P) through FYVE-type zinc finger (PubMed: [11256955](http://www.uniprot.org/citations/11256955), PubMed: [11739631](http://www.uniprot.org/citations/11739631)).

Cellular Location

Golgi apparatus, Golgi stack. Golgi apparatus. Endoplasmic reticulum. Lipid droplet
Preautophagosomal structure Mitochondrion. Note=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 structures at the origin of preautophagosomal structures
(PubMed:25876663, PubMed:31293035) Localizes to lipid droplets in the presence of oleic acid
(PubMed:30970241, PubMed:31293035).

Tissue Location

[Isoform 2]: Highly expressed in heart. Also detected in the testis.

ZFYVE1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZFYVE1 Polyclonal Antibody - Images