

**PLEKHF1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16531a****Specification**

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**PLEKHF1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q96S99](#)**PLEKHF1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 79156**Other Names**

Pleckstrin homology domain-containing family F member 1, PH domain-containing family F member 1, Lysosome-associated apoptosis-inducing protein containing PH and FYVE domains, Apoptosis-inducing protein, PH and FYVE domain-containing protein 1, Phafin-1, Zinc finger FYVE domain-containing protein 15, PLEKHF1, APPD, LAPF, ZFYVE15

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PLEKHF1 Antibody (N-term) Blocking Peptide - Protein Information****Name** PLEKHF1**Synonyms** APPD, LAPF, ZFYVE15**Function**

May induce apoptosis through the lysosomal-mitochondrial pathway. Translocates to the lysosome initiating the permeabilization of lysosomal membrane (LMP) and resulting in the release of CTSD and CTSL to the cytoplasm. Triggers the caspase-independent apoptosis by altering mitochondrial membrane permeabilization (MMP) resulting in the release of PDCD8.

**Cellular Location**

Nucleus. Cytoplasm, perinuclear region. Lysosome. Note=Translocates to lysosome during apoptosis

**Tissue Location**

Highly expressed in heart and skeletal muscle. Weakly expressed in brain, thymus, spleen, kidney, liver, small intestine, placenta and lung.

**PLEKHF1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PLEKHF1 Antibody (N-term) Blocking Peptide - Images****PLEKHF1 Antibody (N-term) Blocking Peptide - Background**

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**PLEKHF1 Antibody (N-term) Blocking Peptide - References**

Chen, W., et al. J. Biol. Chem. 280(49):40985-40995(2005)