



## Rabbit Anti-APPD antibody

SL6793R

<b>Product Name:</b>	APPD
<b>Chinese Name:</b>	凋亡诱导蛋白D抗体
<b>Alias:</b>	PKHF1_HUMAN; Apoptosis inducing protein D; LAPF; Lysosome associated apoptosis inducing protein containing PH and FYVE domains; MGC4090; PH and FYVE domain containing protein 1; PH domain containing family F member 1; Phafin 1; Pleckstrin homology domain containing family F (with FYVE domain) member 1; Pleckstrin homology domain containing family F member 1; Pleckstrin homology domain containing family F with FYVE domain member 1; PLEKHF1; ZFYVE15; Zinc finger FYVE domain containing protein 15.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	31kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human APPD/LAPF:75-124/279
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	APPD is a lysosome-associated apoptosis-inducing protein containing the pleckstrin

homology (PH) and FYVE domains (LAPF). It is a representative of a novel family of PH and FYVE domain-containing proteins and induces caspase-independent apoptosis via the lysosomal-mitochondrial pathway. Cellular localization: Nucleus. Cytoplasm, perinuclear region. Lysosome. Note=Translocates to lysosome during apoptosis.

**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.

**Subcellular Location:**

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

**Tissue Specificity:**

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

**Similarity:**

Contains 1 FYVE-type zinc finger.  
Contains 1 PH domain.

**SWISS:**

Q96S99

**Gene ID:**

79156

**Database links:**

[Entrez Gene: 79156](#)Human

[Entrez Gene: 72287](#)Mouse

[Entrez Gene: 308543](#)Rat

[SwissProt: Q96S99](#)Human

[SwissProt: Q3TB82](#)Mouse

[SwissProt: Q68FU1](#)Rat

[Unigene: 466383](#)Human

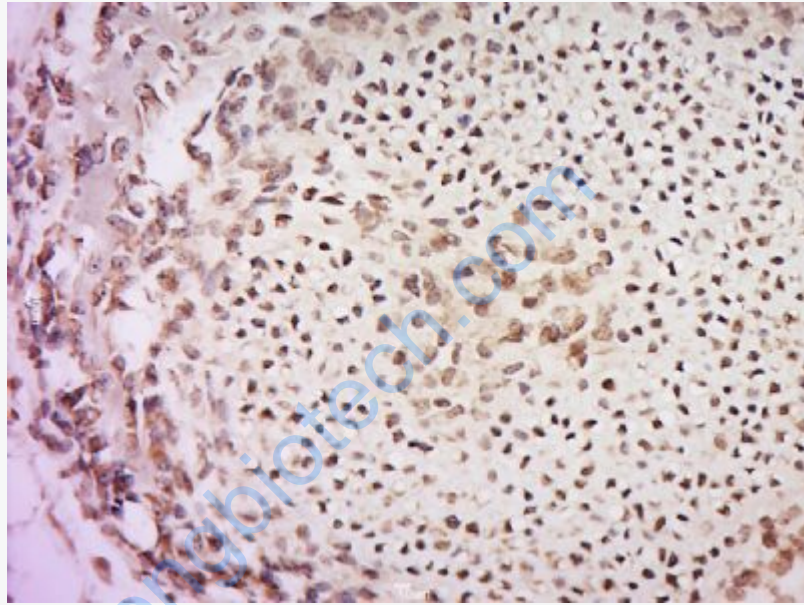
[Unigene: 58389](#)Human

[Unigene: 333798](#)Mouse

[Unigene: 9380Rat](#)

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

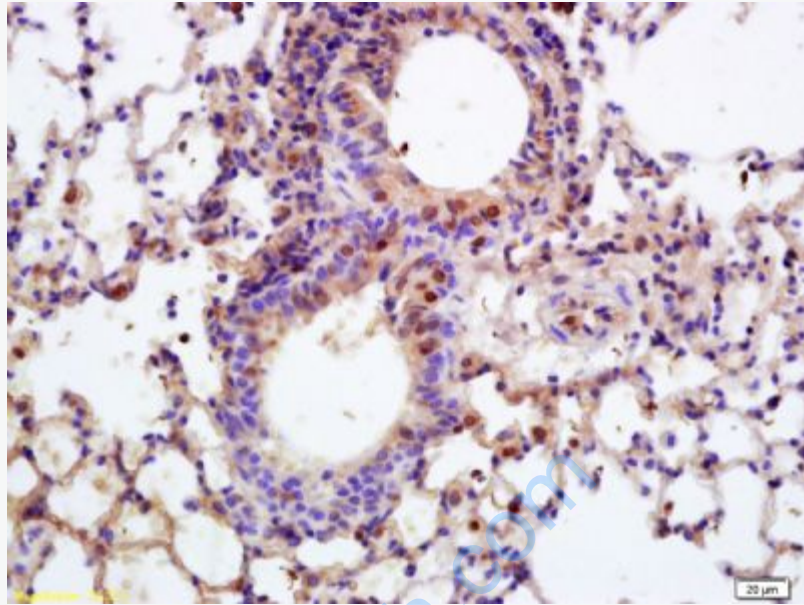


**Picture:**

Tissue/cell: Mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-APPD Polyclonal Antibody, Unconjugated(SL6793R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-APPD Polyclonal Antibody, Unconjugated(SL6793R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining