



## Rabbit Anti-PDCD6 antibody

SL6833R

<b>Product Name:</b>	PDCD6
<b>Chinese Name:</b>	凋亡相关蛋白6抗体
<b>Alias:</b>	ALG 2; ALG2; Apoptosis linked gene 2; Apoptosis linked gene 2 protein; Apoptosis-linked gene 2 protein; MA 3; MA3; MGC111017; MGC119050; MGC9123; PDCD 6; Pdc6; PDCD6_HUMAN; PEF 1B; PEF1B; Probable calcium binding protein ALG 2; Probable calcium binding protein ALG2; Probable calcium-binding protein ALG-2; Programmed cell death 6; Programmed cell death protein 6; PS 2; PS2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-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>	22kDa
<b>Cellular localization:</b>	The nucleuscytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PDCD6:91-191/191
<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>	This gene encodes a calcium-binding protein belonging to the penta-EF-hand protein family. Calcium binding is important for homodimerization and for conformational changes required for binding to other protein partners. This gene product participates in

T cell receptor-, Fas-, and glucocorticoid-induced programmed cell death. In mice deficient for this gene product, however, apoptosis was not blocked suggesting this gene product is functionally redundant. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is also located on the short arm of chromosome 5. [provided by RefSeq, May 2012].

**Function:**

Calcium-binding protein required for T-cell receptor-, Fas-, and glucocorticoid-induced cell death. May mediate Ca(2+)-regulated signals along the death pathway (By similarity). Calcium-dependent adapter necessary for the association between PDCD6IP and TSG101. Interaction with DAPK1 can accelerate apoptotic cell death by increasing caspase-3 activity.

**Subunit:**

Self-associates (By similarity). Homodimer. Interacts with PEF1. Interacts with RBM22. Interacts with PLSCR4, ANXA7 and TSG101. Interacts with SEC31A, PDCD6IP, and the N-termini of ANXA11 and PLSCR3 in a calcium-dependent manner. Interacts with DAPK1.

**Subcellular Location:**

Nucleus membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein. Nucleus. Note=Interaction with RBM22 induces relocalization from the cytoplasm to the nucleus. Translocated from the cytoplasm to the nucleus after heat shock cell treatment. Accumulates in cytoplasmic vesicle-like organelles after heat shock treatment, which may represent stress granules.

**Similarity:**

Contains 5 EF-hand domains.

**SWISS:**

O75340

**Gene ID:**

10016

**Database links:**

UniProtKB/Swiss-Prot: O75340.1

**Important Note:**

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