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PDCD6 Rabbit pAb

Catalog # AP98281

Product Information

Application	IHC-P, IHC-F, IF, E
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PDCD6
Epitope Specificity	91-191/191
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 5 EF-hand domains.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	10016
Other Names	PDCD6_HUMAN; PDCD6; Apoptosis-linked gene 2 protein homolog (ALG-2); ALG2; ALG-2; PEF1B; MA-3; PS2; PDCD6_MOUSE; ALG-257; Apoptosis-linked gene 2 protein (ALG-2); PMP41; programmed cell death 6; apoptosis-linked gene-2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Name	PDCD6 Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.