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Rabbit Anti-POP1 antibody

SL9107R

Product Name:	POP1
Chinese Name:	感染性蛋白唯一蛋白1抗体
Alias:	PAAD domain only protein; POP1; PYDC1; Pyrin domain containing 1; Pyrin only protein 1; PYDC1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	10kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ASC2/POP1:11-70/89
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	The death domain (DD) superfamily of proteins share one or more of the following domains: the DD, DED (death-effector domain), CARD (caspase-recruitment domain) and PYD (Pyrin domain). Each of these domains is characterized by a canonical death domain fold, which consists of a bundle of five or six antiparallel α-helices. As their names suggest, these domains play prominent roles in programmed cell death. ASC2 (apoptosis-associated speck-like protein containing a CARD 2), also known as Pyrin-

only protein 1 or PADD-only protein 1, is an 89 amino acid member of the DD superfamily that contains one Pyrin domain. Localized to the cytoplasm, ASC2 interacts with ASC to modulate NF-κB and pro-caspase-1 regulation. ASC2 is predominantly expressed in monocytes, macrophages and granulocytes.

Function:
Associates with apoptosis-associated specklike proteincontaining a CARD domain (ASC) and modulates its ability tocollaborate with pyrin and cryopyrin in NF-kappa-B andpro-caspase-1 activation. Suppresses kinase activity of NF-kappa-Binhibitor kinase (IKK) complex, expression of NF-kappa-B induciblegenes and inhibits NF-kappa-B activation by cytokines and LPS.

Subunit:
Interacts with PYCARD/ASC.

Subcellular Location:
Cytoplasm.

Tissue Specificity:
Predominantly expressed in monocytes,macrophages and granulocytes.

Post-translational modifications:
Phosphorylated.

Similarity:
Contains 1 DAPIN domain.

SWISS:
Q8WXC3

Gene ID:
260434

Database links:

Entrez Gene: 260434Human

SwissProt: Q8WXC3Human

Unigene: 58314Human

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