



Rabbit polyclonal antibody to Apoptotic protease-activating factor 1 (2-28): Affinity purified

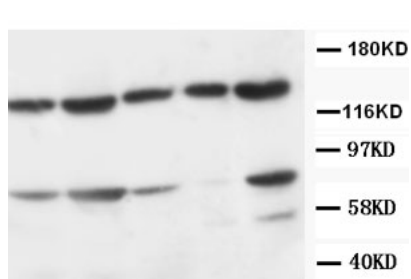
Catalogue No.:	R-1342-100
Description:	THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. APAF1 mediates the cytochrome c-dependent autocatalytic activation of pro-caspase-9, leading to the activation of caspase-3 and apoptosis (Ref: SWISSPROT).
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (DAKARNCLLQHREALEKDIKTSYIMDH) corresponding to a region (2-28 aa) from the N-terminus of human Apoptotic protease-activating factor 1 (APAF1).
Sequence:	DAKARNCLLQHREALEKDIKTSYIMDH
Antibody Type:	Antiserum
Other Names:	APAF-1; APAF1; Apoptotic peptidase activating factor 1;
Accession:	O14727 APAF_HUMAN;
Produced in:	Rabbit
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0 ug/mL is recommended for WB. Human APAF1 has a predicted length of 1,248 residues and MW of 142 kDa. A concentration of 2.0 ug/mL is recommended for IHC to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB (Human) and IHC (Rat) against the antigen.
Antibody Against:	Apoptotic protease-activating factor 1
Cross-reactivity:	Human (WB); rat (IHC-P); predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Appearance:	Lyophilized white powder
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase
Specific References:	Sezik M et al. (2016) "Maternal intravenous granulocyte-colony stimulating factor and intra-amniotic 1 high-dose endotoxin for the experimental caprine model of fetal brain injury" Turkish Journal of Medical Sciences DOI: 10.3906/sag-1505-28. Application: IHC. Species: Goat Aydogan A et al. (2014) "Immunohistochemical expression of caspase-3, caspase-5,

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caspace-7 and apoptotic protease-activating factor-1 (APAF-1) in the liver and kidney of rats exposed to zoledronic acid (ZOL) and basic fibroblast growth factor (bFGF)." *Vet Q.* 2014;34(3):137-42. Application: IHC. Species: Rat



Western Blot using Rabbit polyclonal antibody to Apoptotic protease-activating factor 1:
Lane 1: MCF-7 Whole cell lysate
Lane 2: Hela Whole cell lysate
Lane 3: Jurkat Whole cell lysate
Lane 4: HT1080 Whole cell lysate
Lane 5: Colo320 Whole cell lysate

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