

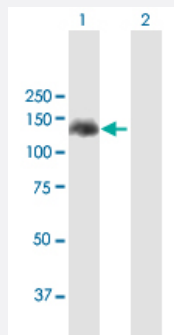
MaxPab®

APAF1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000317-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of APAF1 expression in transfected 293T cell line ([H00000317-T01](#)) by APAF1 MaxPab polyclonal antibody.

Lane 1: APAF1 transfected lysate(132.55 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human APAF1 protein.

Immunogen

APAF1 (NP_863658.1, 1 a.a. ~ 1205 a.a) full-length human protein.

Sequence

MDAKARNCLLQHREALEKDIKTSYIMDHMISDGFLTISEEEKVRNEPTQQQRAAMLKMLKKDND
YVSFYNALLHEGYKDLAALLHDGIPVVSSSSGKDSVSGITSYVRTVLCGGVPQRPVVFVTRKKLV
NAIQKLSKLKGEPGWVTIHGMAGCGKSVLAAEAVRDHSLLEGCFPGGVHVVSVGKQDKSGLL
MKLQNLCTRLDQDESFSQRLPLNIEEAKDRLRILMLRKHPRSLILDDVWDSWVLKAFDSQCQILL
TTRDKSVTDSVMGPKYVVPVESSLGKEKGLEILSLFVNMMKKADLPEQAHSIIKECKGSPLVVSIG
ALLRDFPNRWEYYLKQLQNKQFKRIRKSSSYDYALDEAMSISVEMLREDIKDYTDLSILQKDVKV
PTKVLCLWDMETEEVEDILQEFVNKSLLFCDRNGKSFYYLHDLQVDFLTEKNCSQLQDLHKKIIT
QFQRYHQPHLSPDQEDCMYWYNFLAYHMASAKMHKELCALMFSLDWIKAKTELVGPAHLIHEF
VEYRHILDEKDCAVSENFQEFLSLNGHLLGRQPFNPVQLGLCEPETSEVYQQAKLQAKQEVNDG
MLYLEWINKKNITNLSRLVVRPHTDAVYHACFSEDGQRIASCGADKTLQVFKAETGEKLEIKAHE
DEVLCCAFSTDDRFIATCSVDKKVKMNSMTGELVHTYDEHSEQVNCCHFTNSSHHLLLATGSSD
CFLKLWDLNQKECRNTMFGHTNSVNHCRFSPDDKLLASC SADGTLKLWDATSANERKSINVKQ
FFLNLEDPQEDMEVIVKCCSWSADGARIMVAAKNKIFLWNTDSRSKVADCRGHL SWVHGVMFS
PDGSSFLTSSDDQTIRLWETKKVCKNSAVMLKQEVDDVFQENEVMVLAVDHIRRLQLINGRTGQI
DYLTEAQVSCCCLSPHLQYAFGDENGAIEILELVNNRIFQSRFQHKKT VWHIQFTADEKTLISSDD
AEIQVWNWQLDKCIFLRGHQETVKDFRLLKNSRLLSWSFDGTVKVWNIITGNKEKDFVCHQGTVL
SCDISHDATKFSSTSADKTAKWSFDLLLPLHELRGHNGCVRCSAFSDSTLLATGDDNGEIRWN
VSNGELLHLCAPLSEEGAATHGGWVTDLCFSPDGKMLISAGGYKWWNVVTGESSQTFYTNGTN
LKKIHVSPDFKTYVTVDNLGILYILQTLE

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — APAF1

Entrez GeneID

[317](#)

GeneBank Accession#

[NM_181868.1](#)

Protein Accession#	NP_863658.1
Gene Name	APAF1
Gene Alias	CED4, DKFZp781B1145
Gene Description	apoptotic peptidase activating factor 1
Omim ID	602233
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytoplasmic protein that initiates apoptosis. This protein contains several copies of the WD-40 domain, a caspase recruitment domain (CARD), and an ATPase domain (NB-ARC). Upon binding cytochrome c and dATP, this protein forms an oligomeric apoptosome. The apoptosome binds and cleaves caspase 9 preproprotein, releasing its mature, activated form. Activated caspase 9 stimulates the subsequent caspase cascade that commits the cell to apoptosis. Alternative splicing results in several transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	apoptotic protease activating factor 1

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [p53 signaling pathway](#)
- [Small cell lung cancer](#)

Disease

- [Adenocarcinoma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Clubfoot](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [NARP](#)
- [Neovascularization](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)