

DNAxPAb

Hard-to-Find
Antibody

APAF1 DNAxPab

Catalog # H00000317-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human APAF1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MDAKARNCLLQHREALEKDIKTSYMDHMSDGF LTISEEEKVRNEPTQQQRAAMLKMLKKDND
YVSFYNALLHEGYKDLAALLHDGIPVVSSSSGKDSVSGITSYVRTVLCGGVPQRPVVFVTRKKLV
NAIQQKLSKLKGEPGWVTIHGMAGCGKSVLAAEAVRDHSLLEGCFPGGVHVVSVGKQDKSGLL
MKLQNLCTRLDQDESFSQLPLNIEEAKDRLRLMLRKHPRSLILDDVWDSWVLKAFDSQCQILL
TTRDKSVTDSVMGPKYVVPVSSLGKEKGLEILSLFVNMKKADLPEQAHSIIKECKGSPLVVSIG
ALLRDFPNRWEYYLKQLQNKQFKRIRKSSSYDYALDEAMSISVEMLRREDIKDYTDLSILQKDVKV
PTKVLCLWDMETEEVEDILQEFVNKSLFCDRNGKSFRYYLHDLQVDFLTEKNCSQLQDLHKKIIT
QFQRYHQPHLSPDQEDCMYWYNFLAYHMASAKMHKELCALMFSLDWIKAKTELVGPAHLIHEF
VEYRHILDEKDCAVSENFQEFLSLNGHLLGRQPFNPVQLGLCEPETSEVYQQAKLQAKQEVNDG
MLYLEWINKKNITNLSRLVVRPHTDAVYHACFSEDGQRIASCGADKTLQVFKAETGEKLEIKAHE
DEVLCCAFSTDDRFIATCSVDKKVKIWNMTGELVHTYDEHSEQVNCCHFTNSSHLLLATGSSD
CFLKLWDLNQKECRNTMFGHTNSVNHCRFSPDDKLLASCSADGTLKLWDATSANERKSINVKQ
FFLNLED PQEDMEVIVKCCSWSADGARIMVAAKNKIFLWNTDSRSKVADCRGHLVHGVMS
PDGSSFLTSSDDQTIRLWETKKVCKNSAVMLKQEVDFVQENEVMVLAVDHIRRLQLINGRTGQI
DYLTEAQVSCCCLSPHLQYAFGDENGAIEILELVNRRIFQSRFQHKKTVWHIQTADKTLISSDD
AEIQVWNWQLDKCIFLRGHQETVKDFRLLKNSRLLSWSFDGTVKVWNIITGNKEKDFVCHQGTVL
SCDISHDATKFSSTADKTAKWSFDLLLPLHELGRHNGCVRCFAFSVDSTLLATGDDNGEIRWN
VSNGELLHLCAPLSEEGAATHGGWVTDLCFSPDGKMLISAGGYIKWWNVVTGESSQTFYNGTN
LKKIHVSPDFKTYVTVDNLGILYILQTL

Host Rabbit

Reactivity Human

Purification Protein A

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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)