Apaf-1-ALT Polyclonal Antibody

Description

Product type	Primary Antibody
Code	POLY-AP00502
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human APAF-1-ALT. AA range:289-338
Mol wt	40500
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA, TR-FLISA, TR-FRET
Concentration	1 mg/ml
Full name	Apaf-1-ALT Antibody
Synonyms	APAF1-interacting protein; APIP; APIP2; CGI-29 protein; MMRP19; dJ179L10.2; likely ortholog of mouse monocyte macrophage 19

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

APAF1 encodes a cytoplasmic protein that initiates apoptosis. This protein (apoptotic peptidase activating factor 1) 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

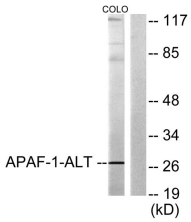
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

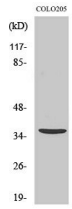
ELISA: 1: 10000

Not yet tested in other applications.

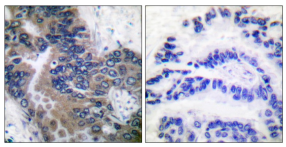
Images



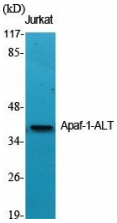
Western blot analysis of lysates from COLO205 cells, using APAF-1-ALT Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of COLO205 cells using Apaf-1-ALT Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using APAF-1-ALT Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Apaf-1-ALT Polyclonal Antibody diluted at 1:500

Storage

-20°C for one year

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