

APAF-1-ALT Antibody

Catalog No: #33324

Package Size: #33324-1 50ul #33324-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

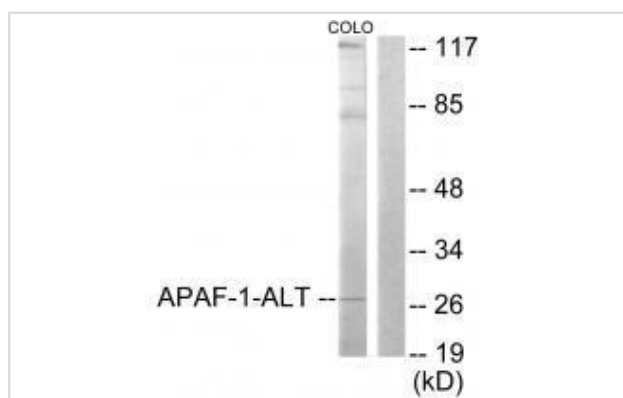
Product Name	APAF-1-ALT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total APAF-1-ALT protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human APAF-1-ALT.
Target Name	APAF-1-ALT
Other Names	APAF1-interacting protein; APIP; APIP2; CGI-29 protein; MMRP19
Accession No.	Swiss-Prot: O14727-6NCBI Gene ID: 317
Uniprot	O14727
GeneID	317;
SDS-PAGE MW	27kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

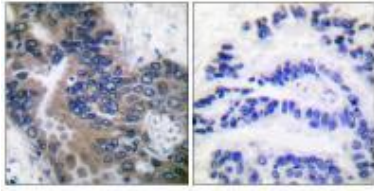
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from COLO205, using APAF-1-ALT antibody #33324.

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using APAF-1-ALT antibody #33324.



Background

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.

Keigo Machida, J. Biol. Chem., Apr 2001; 276: 12140 - 12146.

Liam OB'B—Connor, Cancer Res., Mar 2000; 60: 1217 - 1220.

Zeping Wang, Nucleic Acids Res., Apr 2005; 33: 2248 - 2258

Govindaraj Anumanthan, Cancer Res., Nov 2006; 66: 10824 - 10832.

Note: This product is for in vitro research use only