Anti-APAF1 antibody

Cat. No.	ml160008
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-APAF1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human APAF1
Reactivity	Human, Mouse, Rat
Content	0.7 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	APAF1
Full name	Apoptotic protease-activating factor 1
Synonyms	CED4
Swissprot	O14727

Target 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.
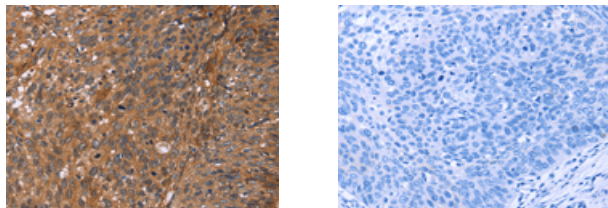
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml160008(APAF1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:142 kDa

Positive control:Hela, A549 and HUVEC cells
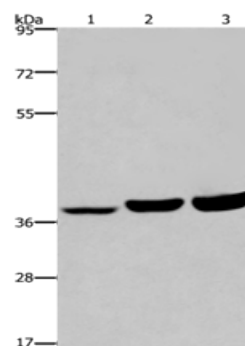
Recommended dilution: 500-2000

Gel: 6%SDS-PAGE

Lysate: 40 μg

Lane 1-3: Hela cells, A549 cells, HUVEC cells

Primary antibody: ml160008(APAF1 Antibody) at dilution 1/350

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds

ELISA

Recommended dilution: 2000-5000

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