

Product Datasheet

APAF1 Antibody

Catalog No: CY5263

Reactivity: Human, Mouse

Isotype: Rabbit IgG

Applications: WB, IHC, ICC/IF



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Information

UniProt ID: O14727

All Names: APAF; APAF-1; APAF1; apoptotic peptidase activating factor 1; apoptotic protease activating factor 1; Apoptotic protease-activating factor 1; CED4; DKFZp781B1145; KIAA0413

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 135 kDa

Application

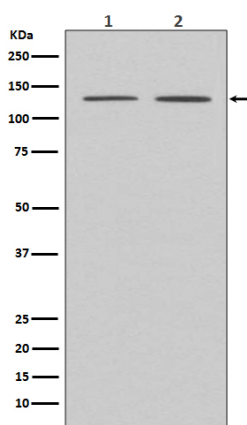
WB: 1:500~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

Background

APAF Oligomeric Apaf-1 mediates the cytochrome c-dependent autocatalytic activation of pro-caspase-9 (Apaf-3), leading to the activation of caspase-3 and apoptosis. This activation requires ATP. Isoform 6 is less effective in inducing apoptosis. Induced by E2F and p53 in apoptotic neurons. Monomer. Oligomerizes upon binding of cytochrome c and dATP. Oligomeric Apaf-1 and pro-caspase-9 bind to each other via their respective NH2-terminal CARD domains and consecutively mature caspase-9 is released from the complex. Pro-caspase-3 is recruited into the Apaf-1-pro-caspase-9 complex via interaction with pro-caspase-9. Interacts with APIP. 6 isoforms of the human protein are produced by alternative splicing.



Western blot analysis on (1)HeLa cell lysate; (2)MCF-7 cell lysate using APAF1 Antibody.

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