

Anti-APAF1 Antibody (Monoclonal, 34A42)

Catalog Number: M00889-3

About APAF1

Apoptotic peptidase activating factor 1, also known as APAF1, is a protein which in humans is encoded by the APAF1 gene. This gene is mapped to chromosome 12q23. It encodes a cytoplasmic protein that initiates apoptosis. And it is an essential downstream effector of p53-mediated apoptosis. This protein contains several copies of the WD40 repeat domain, a caspase recruitment domain (CARD), and an ATPase domain (NB-ARC). In the presence of cytochrome c and dATP, APAF1 assembles into an oligomeric apoptosome, which is responsible for activation of procaspase-9 and maintenance of the enzymatic activity of processed caspase-9. Furthermore, APAF1 is inactivated in metastatic melanomas, leading to defects in the execution of apoptotic cell death. Additionally, APAF1 has been shown to interact with NLRP1, Caspase-9, APIP, BCL2-like 1 and HSPA4.

Overview

Product Name	Anti-APAF1 Antibody (Monoclonal, 34A42)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-APAF1 Antibody (Monoclonal, 34A42) catalog # M00889-3. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal 34A42
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O14727

Technical Details

Immunogen	Synthetic peptide within Human Apaf-1 aa 3-48.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200
Immunocytochemistry/Immunofluorescence, 1:50-200

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