Anti-Apaf1 (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2015
Size: 100ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

The mammalian homologues of the key cell death gene CED-4 in *C. elegans* has been identified recently from human and mouse and designated Apaf1 (for apoptosis protease-activating factor 1). Apaf1 binds to cytochrome c (Apaf2) and caspase-9 (Apaf3), which leads to caspase-9 activation. Activated caspase-9 in turn cleaves and activates caspase-3, one of the key proteases responsible for the proteolytic cleavage of many key proteins in apoptosis. Apaf1 can also associate with caspase-4 and caspase-8. Apaf1 is ubiquitously expressed in human tissues.

SPECIFICATION SUMMARY

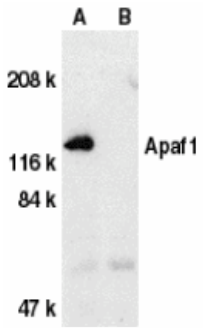
Antigen: Peptide corresponding to aa 1158-1177 of human Apaf1. This sequence differs from that of mouse Apaf1 by one amino acid.
Host Species: Rabbit
Preservatives: 0.02% sodium azide

SPECIFICITY

This antibody recognizes human, mouse, and rat Apaf1 (130kDa).

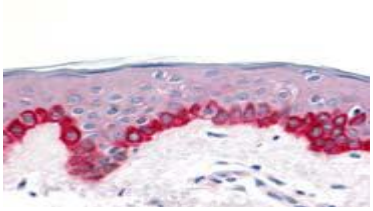
APPLICATIONS

Immunoblotting: use at 1-10ug/ml



Western blot analysis of Apaf1 in human heart tissue lysate with Apaf1 (CT) antibody at 1µg/ml in the absence (A) or presence (B) of blocking peptide.

Immunohistochemistry: use at 10-20ug/ml



Immunohistochemistry of Apaf1 in human skin tissue with Apaf1 (CT) antibody at 20 µg/ml.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

Positive control: Human heart tissue lysate.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

QED Bioscience, Inc.
10919 Technology Place, Suite C
San Diego, CA 92127

Toll Free 800.929.2114
Phone 858.675.2405
Fax 858.592.1509
info@qedbio.com