Caspase-9 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01214
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 9. AA range:110-159
Mol wt	46281
Species reactivity	Human, Monkey
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Caspase-9 Antibody
Synonyms	CASP9; MCH6; Caspase-9; CASP-9; Apoptotic protease Mch-6; Apoptotic protease-activating factor 3; APAF-3; ICE-like apoptotic protease 6; ICE-LAP6

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CASP9 (caspase 9) encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.
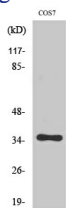
Recommended Dilution
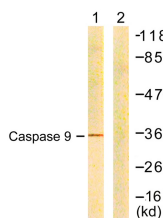
WB: 1: 500 - 1: 2000

ELISA: 1: 5000

Not yet tested in other applications.

Images

Western Blot analysis of various cells using Caspase-9 Polyclonal Antibody diluted at 1:500

Western blot analysis of lysates from COS7 cells, treated with Etoposide 25uM 24h, using Caspase 9 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year