Phospho-Caspase-8 (Y380) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-PHS00403
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 8 around the phosphorylation site of Tyr380. AA range:346-395
Mol wt	55391
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Phospho-Caspase-8 (Y380) Antibody
Synonyms	CASP8; MCH5; Caspase-8; CASP-8; Apoptotic cysteine protease; Apoptotic protease Mch-5; CAP4; FADD-homologous ICE/ced-3-like protease; FADD-like ICE; FLICE; ICE-like apoptotic protease 5; MORT1-associa

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

Background

CASP8 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 composed of a prodomain, a large protease subunit, and a small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. Caspase 8 is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of Caspase 8 suggests that it may interact with Fas-interacting protein FADD. Caspase 8 was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.

Recommended Dilution

WB: 1: 500 - 1: 2000
ELISA: 1: 10000
Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year