



Rabbit Anti-Human CASP4 Polyclonal antibody (DPABH-25965)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Caspase 4/p20/p10 fusion protein, sequence: MAEGNHRKKPLKVLES LGKDFLTGVLDNLVEQNVLNWKEEEKKKYYDAKTEDKVRVMADS MQEKQRMAGQMLLQTFFNIDQISPNKKAHPNMEAGPPESGESTDALKLCPHEEFLRLCKE RAEEIYPIKERNNRTRLALIICNTEFDHLPPRNGADFDITGMKELLEGLDYSVDVEENLT ARDMESALRAFATRPEHKSSDSTFLVLM SHGILEGICGTVHDEKKPDVLLYDTIFQIFNN RNCLSLKDKPKVIIVQACRGANRGELWVRDSPASLEVASSQSSSENLEEDAVYKTHVEKDF IAFCSSTPHNVSWRDSTMGSIFITQLITCFQKYSWCCHLEEVFRKVQQSFETPRAKAQMP TIERLSMTRYFYFLFPGN (1-377aa encoded by BC017839)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB, IHC, IF, ELISA
Positive Control	SGC-7901 cells
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Preservative	0.1% Sodium Azide

Storage

Store at -20°C. Aliquoting is unnecessary for -20°C storage.

BACKGROUND

Introduction

This gene encodes a protein that is 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 and a large and 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. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms.

Keywords

CASP4; caspase 4, apoptosis-related cysteine peptidase; TX; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II; caspase-4; CASP-4; ICE(rel)-II; protease TX; protease ICH-2; apoptotic cysteine protease Mih1/TX; caspase 4, apoptosis-related cysteine protease;

GENE INFORMATION

Entrez Gene ID

[837](#)

UniProt ID

[P49662](#)
