

Caspase-8 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14674
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 8. AA range:313-362
Mol wt	55391
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IF, ICC, WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Caspase-8
Synonyms	Caspase-8; 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-associated ced-3 homolog; MACH

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

Background

This gene 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. This protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein 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 alt

Recommended Dilution

WB: 1: 500 - 1: 2000

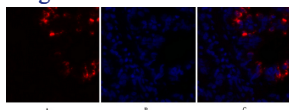
IHC-p: 1: 100 - 1: 300

IF: 1: 50 - 1: 200

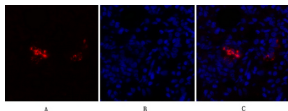
ELISA: 1: 5000

Not yet tested in other applications.

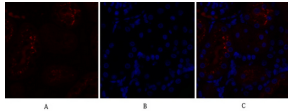
Images



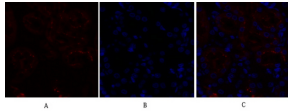
Immunofluorescence analysis of rat-lung tissue. 1,Caspase-8 Polyclonal Antibody(Red) was diluted at 1:200(4°C overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min),3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



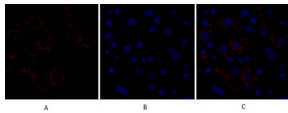
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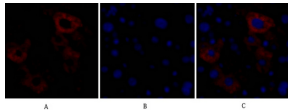
Immunofluorescence analysis of rat-kidney tissue. 1, Caspase-8 Polyclonal Antibody (Red) was diluted at 1:200 (4°C overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



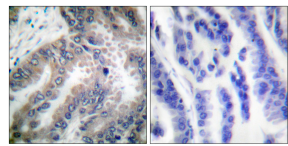
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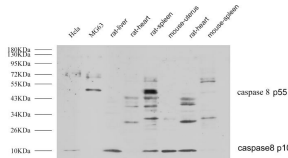
Immunofluorescence analysis of mouse-liver tissue. 1, Caspase-8 Polyclonal Antibody (Red) was diluted at 1:200 (4°C overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



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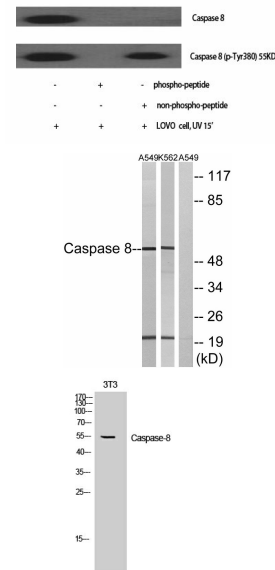


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Caspase 8 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using primary antibody diluted at 1:1000 (4°C overnight). Secondary antibody: Goat Anti-rabbit IgG IRDye 800 (diluted at 1:5000, 25°C, 1 hour).

Western Blot analysis of various cells using Caspase-8 Polyclonal Antibody



Western Blot analysis of 3T3 cells using Caspase-8 Polyclonal Antibody

Western blot analysis of lysates from A549/K562, using Caspase 8 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for 1 year

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