Datasheet for ABIN7202064

anti-Caspase 8 antibody (Cleaved-Asp384)

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Overview

Quantity:	100 µL
Target:	Caspase 8 (CASP8)
Binding Specificity:	AA 310-390, Cleaved-Asp384
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Purpose:	Cleaved-Caspase-8 (D384) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the C-terminal region of human Caspase-8 at AA range: 310-390
Isotype:	IgG
Specificity:	Cleaved-Caspase-8 (D384) Polyclonal Antibody detects endogenous levels of fragment of activated Caspase-8 protein resulting from cleavage adjacent to D384.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	Caspase 8 (CASP8)

Target Details

Alternative Name:	Caspase-8 (CASP8 Products)
Background:	Rabbit Anti-Cleaved-Caspase-8 (D384) Polyclonal Antibody,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,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.,Caspase-8
Gene ID:	841
UniProt:	Q14790
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, TLR Signaling, Activation of Innate immune Response, Tube Formation, Positive Regulation of Endopeptidase Activity, Toll-Like Receptors Cascades

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:300), IHC-P (1:50-1:300), ELISA (1:20000). Not yet tested in other applications.
Restrictions:	For Research Use only

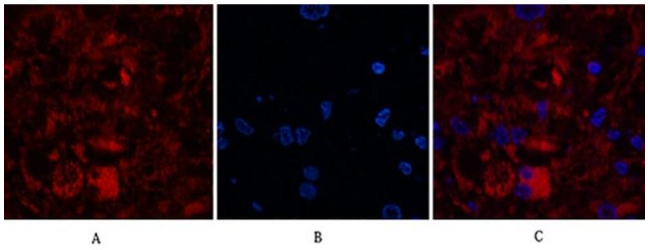
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Handling

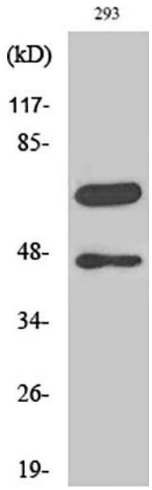
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



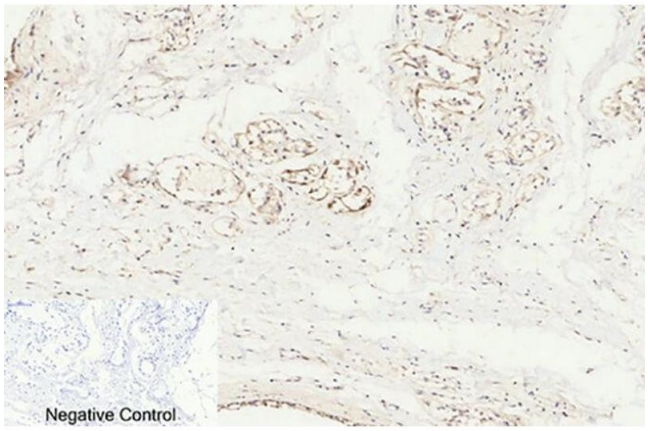
Immunofluorescence

Image 1. Immunofluorescence analysis of human breast cancer tissue. 1, Cleaved-Caspase-8 (D384) Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3 , Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Western Blotting

Image 2. Western Blot analysis of various cells using Cleaved-Caspase-8 (D384) Polyclonal Antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human breast tissue. 1, Cleaved-Caspase-8 (D384) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

