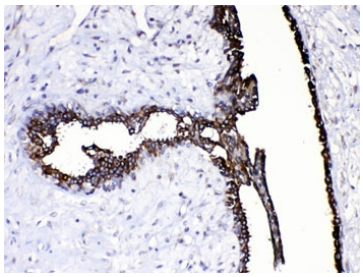
CASP8 Antibody / Caspase 8 (small subunit) (R32577)

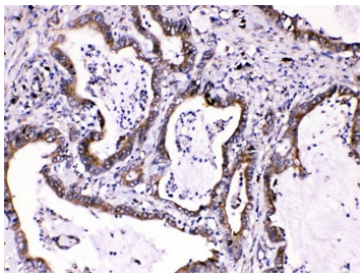
Catalog No.	Formulation	Size
R32577	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

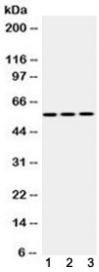
Availability	Discontinued
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q14790
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/10^6 cells
Limitations	This CASP8 antibody is available for research use only.



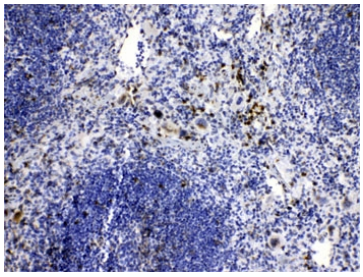
IHC testing of FFPE human breast cancer tissue with CASP8 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



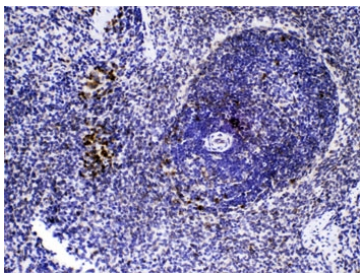
IHC testing of FFPE human intestinal cancer tissue with CASP8 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



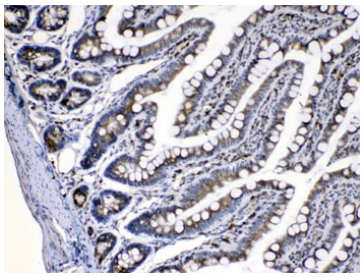
Western blot testing of 1) rat liver, 2) mouse liver and 3) human HepG2 lysate with CASP8 antibody at 0.5ug/ml. Predicted molecular weight: ~55 kDa (pro), ~40 kDa (large + small subunit), ~11 kDa (small subunit).



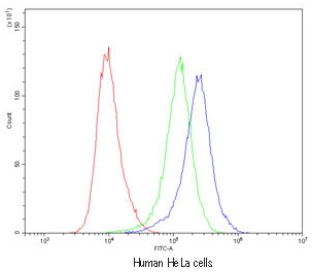
IHC testing of FFPE mouse spleen tissue with CASP8 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



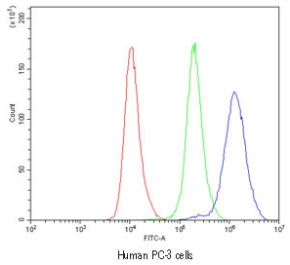
IHC testing of FFPE rat spleen tissue with CASP8 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



IHC testing of FFPE rat intestine tissue with CASP8 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human HeLa cells with CASP8 antibody at 1ug/10^6 cells (cells blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CASP8 antibody.



Flow cytometry testing of human PC-3 cells with CASP8 antibody at 1ug/10^6 cells (cells blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CASP8 antibody.

Description

Caspase 8 is also known as CAP4, MACH or MCH5. The CASP8 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. In addtion, 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 alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.

Application Notes

Optimal dilution of the CASP8 antibody should be determined by the researcher.

Immunogen

Amino acids 410-449 (VSYRNPAEGTWYIQSLCQSLRERCPRGDDILTILTEVNYE-human) were used as the immunogen for the CASP8 antibody.

Storage

After reconstitution, the CASP8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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