Datasheet for ABIN3030317

anti-Caspase 8 antibody (AA 458-473)

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Overview

Quantity:	100 µg
Target:	Caspase 8 (CASP8)
Binding Specificity:	AA 458-473
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 458-473 (TILTEVNYEVSNKDDK-human) were used as the immunogen for this Caspase-8 antibody. This sequence is from the small subunit.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Caspase 8 (CASP8)
Alternative Name:	Caspase-8 (CASP8 Products)
Background:	The human CASP8 gene, whose product is also known as Caspase-8 and FLICE, encodes an interleukin-1beta converting enzyme (ICE)-related cysteine protease that is activated by the engagement of several different death receptors. It is immediately recruited to the Fas receptor

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Target Details

	once it oligomerizes, and its protease activity is crucial for the apoptotic response generated by the resulting death-inducing signaling complex (DISC). This gene contains at least 11 exons spanning approximately 30kb on human chromosome band 2q33-34. This region of chromosome 2 was previously reported as the location of the CASP10 gene, whose product is closely related to CASP8. Caspase-8 deficiency in humans is compatible with normal development and shows that the enzyme has a postnatal role in immune activation of naive lymphocytes.
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:	The stated application concentrations are suggested starting points. Titration of the Caspase-8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Caspase-8 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

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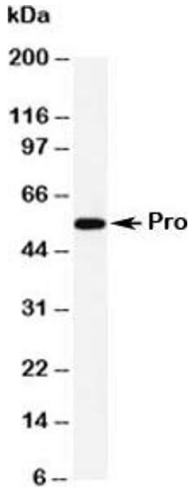
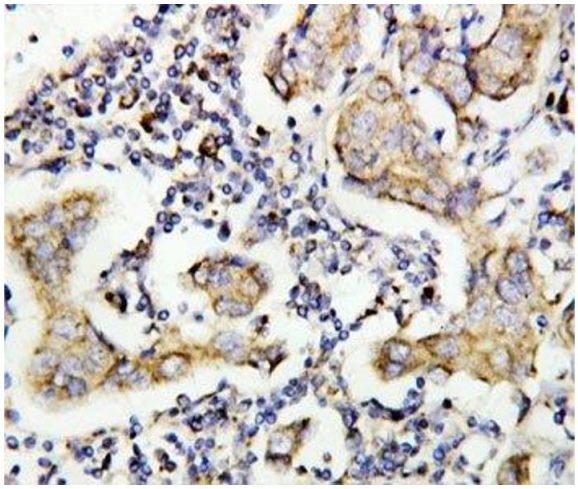


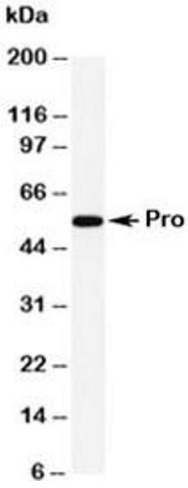
Western Blotting

Image 1. Western blot testing of Caspase-8 antibody and HeLa cell lysate



Immunohistochemistry

Image 2. IHC-P: Caspase-8 antibody testing of human breast cancer tissue



Western Blotting

Image 3. Western blot testing of Caspase-8 antibody and HeLa cell lysate

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