Caspase-8 monoclonal antibody (5F7)

Caspase-8/FADD-like ICE (FLICE), is an ~55 kDa cytosolic protein belonging to the Fas/APO-1/CD95 death-inducing signaling complex. Although researchers have defined eight different isoforms of caspase-8 at the mRNA level (8/a-h), significant expression of only Caspase-8/a and /b occurs at the protein level in a variety of cell lines. Caspase-8 contains two death effector domains (DEDs) and exhibits sequence homology to both FADD, a signal transducer of Fas-induced apoptosis, and to the ICE/CED-3 family of cysteine proteases. Caspase-8 binds to FADD through its amino terminal DEDs and induces apoptosis when overexpressed. Activation of Caspase-8 involves a two-step proteolysis whereby the cleavage of Caspase-8 generates a 43 kDa fragment (p43) and a 12 kDa fragment further processed to 10 kDa, then the cleavage of receptor-associated p43 yields p26 and the release of the active site containing p18. A number of cytosolic factors inhibit the FADD-Caspase-8 containing signaling complex, including the ICE/CED-3 family inhibitor CrmA which inhibits Caspase-8 protease activity, and the short and long forms of FLIP that bind to the FADD-Caspase-8 complex.

This antibody is covered by our Worry-Free Guarantee.

Citations: 32 View Online »

Ordering Information

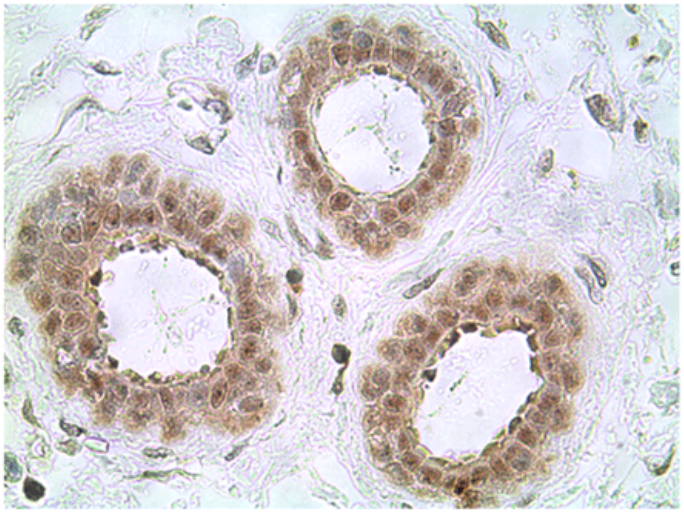
Order Online »

ADI-AAM-118-E	100µg

Manuals, SDS & CofA

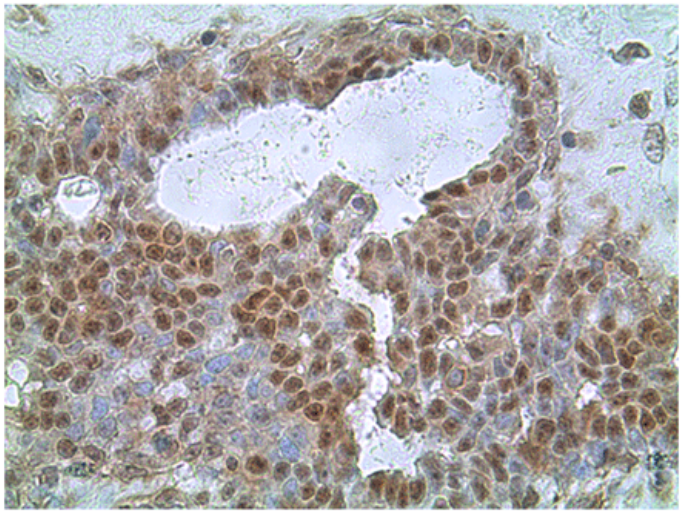
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63 x

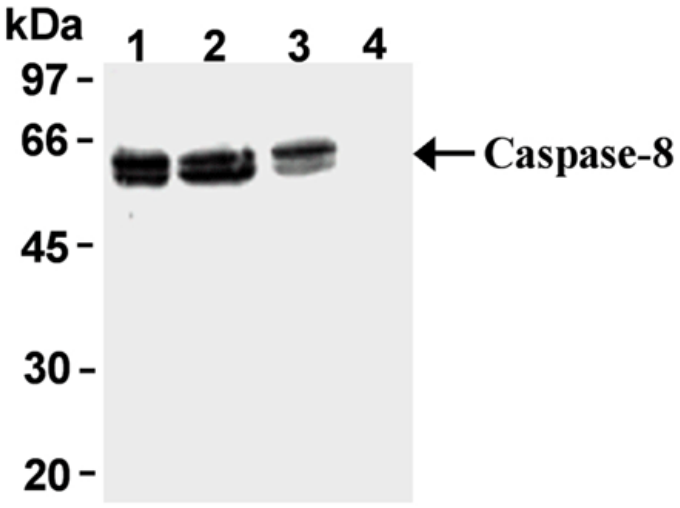


Immunohistochemistry staining of human breast tissue using anti-Caspase-8 antibody (prod.no. ADI-AAM-118 clone 5F7, 1:50) showed positive staining in both cytoplasm and nucleus of breast epithelial and myoepithelial cells. Image taken at magnification of 63x.

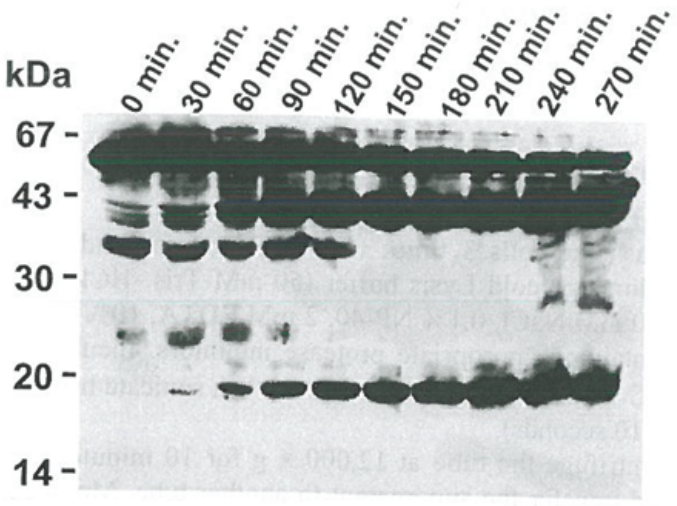
63 x



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Western blot analysis of Jurkat (1), Raji (2), HeLa (3) and WR19L (4) probed with Caspase-8, mAb (5F7).



Western Blot analysis of Caspase-8 fragments in apoptosis induced Jurkat cells using Caspase-8, mAb (5F7) (Prod. No. ADI-AAM-118). The Jurkat cells were treated with a FAS monoclonal antibody for the indicated time

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	FLICE
Application	IHC (PS), IP, WB
Application Notes	Detects a band of ~55-57kDa by Western blot. Also detects the cleaved intermediate form (p41/43) and the activated large caspase-8 subunit p18 after apoptosis induction.
Clone	5F7
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol.
Host	Mouse
Immunogen	C-terminal fragment of recombinant human caspase-8 (amino acids 176-460).
Isotype	IgG2b
Purity Detail	Protein A-affinity purified.
Recommendation Dilutions/Conditions	Immunoprecipitation (1:50)Western Blot (1µg/ml, ECL)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human
UniProt ID	Q14790
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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