

## anti- Caspase 3 antibody

### Product Information

Catalog No.:	CAF50445
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Caspase 3, also named as CPP32, SCA-1 and Apopain, belongs to the peptidase C14A family. Caspase 3 is involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase(PARP) at a '216-Asp-|-Gly-217' bond. Caspase 3 cleaves and activates sterol regulatory element binding proteins(SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6,-7 and-9. Caspase 3 is involved in the cleavage of huntingtin. The antibody can recognize p17 and p32 of Caspase 3.

### Immunogen information

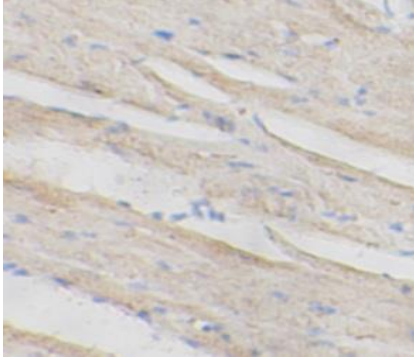
Immunogen:	caspase 3, apoptosis-related cysteine peptidase
Synonyms:	Apopain, CASP 3, CASP3, Caspase 3, Caspase 3/p17, Caspase3, CPP 32, CPP32, CPP32B, Cysteine protease CPP32, Protein Yama, SCA 1, SREBP cleavage activity 1
Observed MW:	32-35 kDa, 17 kDa
Uniprot ID :	P42574

### Application

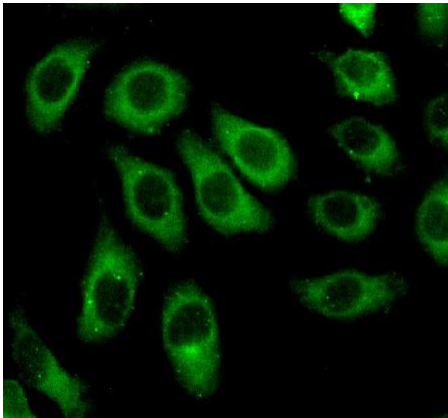
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF
Recommended dilution:	WB: 1:200-1:2000; IHC: 1:50-1:500; IF: 1:50-1:200
Image:	

**This Antibody is for Research Use Only. Not for Diagnostic Procedures.**

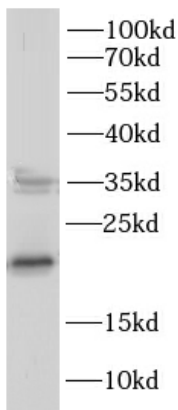
This is a sample Antibody manual only. Always refer to the hard copy manual included in the Antibody for your experiment.



Immunohistochemistry of paraffin-embedded mouse heart tissue slide using CAF50445(CASP3 Antibody) at dilution of 1:100



Immunofluorescent analysis of (-20° C Ethanol) fixed HeLa cells using CAF50445 (caspase 3 antibody) at dilution of 1:50 and FITC-Conjugated Goat Anti-rabbit IgG(H+L)



Mouse spleen were subjected to SDS PAGE followed by western blot with CAF50445(CASP3 antibody) at dilution of 1:1000



Jurkat cells were subjected to SDS PAGE followed by western blot with CAF50445(CASP3 antibody) at dilution of 1:1000

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