

CASP3 antibody

Product Information

Catalog No.:	FNab09938
Size:	100µg
Form:	liquid
Purification:	protein A+G purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	2G7
IsoType:	IgG1
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. Caspase 3 can also form heterocomplex with other proteins and performs MW of 50-70 kDa. This antibody can recognize p17, p19 and p32 of Caspase 3.

Immunogen information

Immunogen:	caspase 3, apoptosis-related cysteine peptidase
Synonyms:	Caspase-3 (CASP-3) Apopain Cysteine protease CPP32 (CPP-32) Protein Yama SREBP cleavage activity 1 (SCA-1) Caspase-3 subunit p17 Caspase-3 subunit p12 CASP3 CPP32
Observed MW:	32-35 kDa, 19 kDa, 17 kDa
Uniprot ID :	P42574

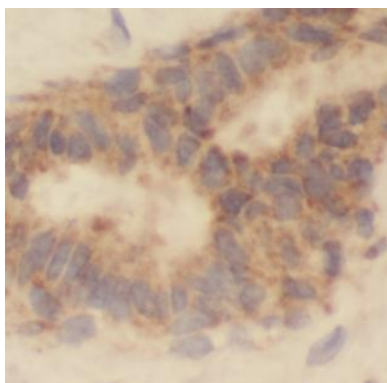
Application

Reactivity:	Human, Mouse, Rat
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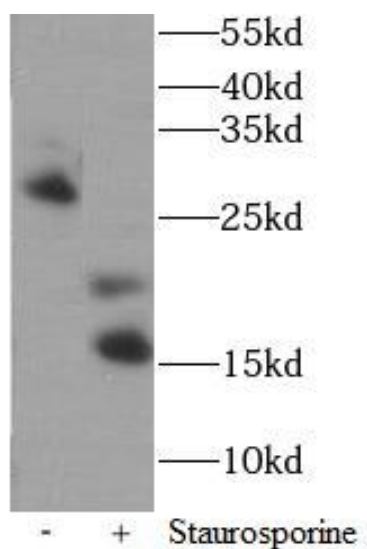
Tested Application: ELISA, IHC, WB, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:300; IF: 1:50-1:200

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab09938(CASP3 antibody) at dilution of 1:200



Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with FNab09938 (CASP3 antibody) at dilution of 1:3000