

# Rabbit anti-human CASP3 Polyclonal Antibody

Catalog Number: R16005P

General Information	
<b>Immunogen</b>	Recombinant protein of human CASP3
<b>IgG type</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Specificity</b>	human CASP3
<b>Applications &amp; dilution</b>	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purity</b>	≥95% purity by SDS-PAGE
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Abbreviation:</b> ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry	

## Background

Caspase-3 (CPP-32, Apoptain, Yama, SCA-1) is a critical executioner of apoptosis, as it is either partially or totally responsible for the proteolytic cleavage of many key proteins such as the nuclear enzyme poly(ADP-ribose) polymerase (PARP). Activation of caspase-3 requires proteolytic processing of its inactive zymogen into activated p17 and p12 fragments. Cleavage of caspase-3 requires aspartic acid at the P1 position.

## Preparation

Polyclonal antibody is produced by immunizing rabbit with human CASP3 protein and purified using protein A resin.

## Applications

### Western blot

	Western blot analysis of extracts of various cell lines using CASP3 antibody.
	Western blot analysis of extracts of various cell lines using CASP3 antibody

### Immunofluorescence

	Immunofluorescence analysis of U2OS cell using CASP3 antibody. Blue: DAPI for nuclear staining
	Immunofluorescence analysis of HeLa cell using CASP3 antibody. Blue: DAPI for nuclear staining.

### Immunohistochemistry

	Immunohistochemistry of paraffin-embedded Rat lung using CASP3 antibody at dilution of 1:100 (x400 lens)
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**For research use only**

**Storage**

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

**Hazard/Biohazard**

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

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