

## Product Datasheet

# Caspase-3 (5H3) Mouse mAb

Catalog No: AB3575

Reactivity: Human, Mouse, Rat

Isotype: Mouse IgG1

Applications: IHC



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### Information

**UniProt ID:** P42574

**All Names:** CASP3; CPP32; Caspase-3; CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

**Molecular Wt.:** 17,32kDa

### Application

IHC: 1/50-1/100

### Background

Swiss-Prot Acc.P42574. 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 &#39;216-Asp-|-Gly-217&#39; bond. 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. Involved in the cleavage of huntingtin. Triggers cell adhesion in sympathetic neurons through RET cleavage.

Immunohistochemistry analysis of paraffinembedded  
Human Skin Tissue using Caspase 3 (5H3) antibody.

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