

## Caspase 3 Rabbit mAb

Catalog No: #52084

Package Size: #52084-1 50ul #52084-2 100ul

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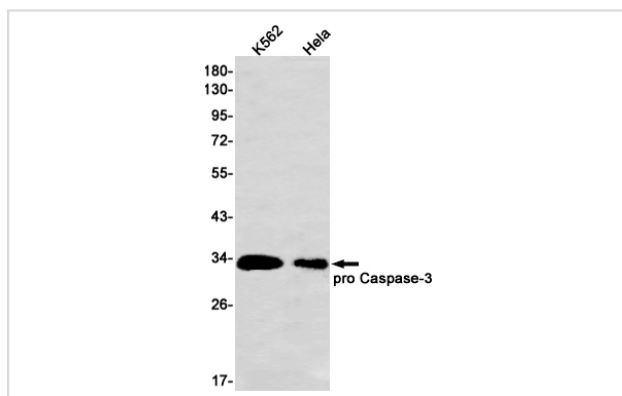
## Description

Product Name	Caspase 3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-7C2
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human Caspase-3
Conjugates	Unconjugated
Modification	Unmodification
Other Names	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.
Accession No.	Swiss-Prot:P42574GenID:836
Uniprot	P42574
GenID	836
Calculated MW	Calculated MW: 32 kDa; Observed MW: 32 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

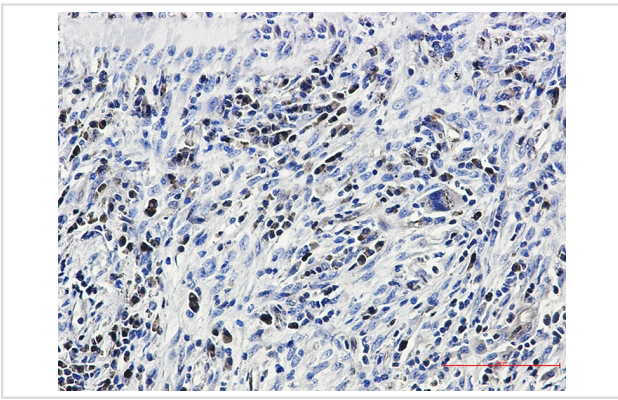
## Application Details

WB: 1/1000; IHC: 1/20;

## Images



Western blot detection of Caspase-3 in K562, HeLa cell lysates using Caspase-3 Rabbit mAb(1:1000 diluted). Predicted band size: 32kDa. Observed band size: 32kDa.



Immunohistochemistry of Caspase-3 in paraffin-embedded Human lung cancer tissue using Caspase-3 Rabbit mAb at dilution 1/20

## Background

Involved in the activation cascade of caspases responsible for apoptosis execution (PubMed:7596430).

At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-|-Gly-217' bond (PubMed:7774019).

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 (PubMed:7596430).

Involved in the cleavage of huntingtin (PubMed:8696339).

Note: This product is for in vitro research use only