

## Caspase-3 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP07119
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 134-205
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Caspase-3
<b>Synonyms</b>	Caspase-3; Caspase-3; CASP-3; EC 3.4.22.56; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1; Caspase-3 subunit p17; Caspase-3 subunit p12;

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.

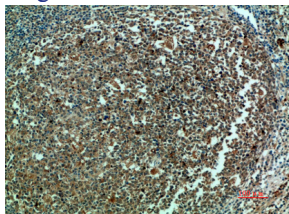
### Recommended Dilution

WB: 1: 1000 - 1: 2000

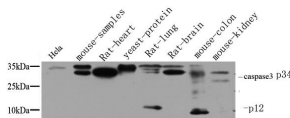
IHC: 1: 200 - 1: 500

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded human-tonsils, antibody was diluted at 1:200



Western Blot analysis of various cells using primary antibody diluted at 1:1000(4°C overnight).

Secondary antibody:Goat Anti-rabbit IgG IRDye 800( diluted at 1:5000, 25°C, 1 hour).

### Storage

-20°C for 1 year

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