

# Caspase 3 antibody

## Cat. No. GTX110543

Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Applications	WB, IHC-P, IHC-Fr, IP, Dot
Reactivity	Human, Mouse, Rat



#### PRODUCT

Summary

Caspase 3 antibody detects caspase 3 protein, a 32 kDa zymogen (also known as pro-caspase 3) that is cleaved at conserved aspartic residues into 17 kDa and 12 kDa subunits upon activation. The cleaved subunits then form an active heterotetramer by hydrophobic interactions and trigger subsequent caspase cascades to induce the apoptotic phenotype.

## **Applications**

## **Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution	
WB	1:500-1:10000	
IHC-P	1:100-1:1000	
IHC-Fr	Assay dependent	
IP	1:100-1:500	
Dot	Assay dependent	
Not tested in other applications.		

Calculated	MW	32 kDa.	( <u>Note</u> )
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**Product Note** IP/MS validation is based on published data (PMID: 30377401).

Properties	
Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.15 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Caspase 3. The exact sequence is proprietary.

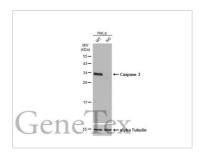


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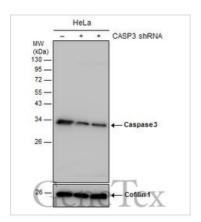
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
	Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



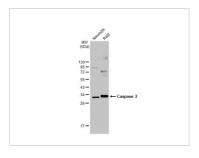
## GTX110543 WB Image

Wild-type (WT) and Caspase 3 knockout (KO) HeLa cell extracts (30  $\mu$ g) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX110543 WB Image

Non-transfected (–) and transfected (+) HeLa whole cell extracts (30  $\mu$ g) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:4000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



#### GTX110543 WB Image

Various whole cell extracts (30  $\mu$ g) were separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 3 antibody (GTX110543) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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