

## Caspase 3 antibody

Cat. No. GTX110543

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, IHC-P, IHC-Fr, IP, Dot
<b>Reactivity</b>	Human, Mouse, Rat

References ( 161 )

★★★★☆ Review ( 10 )

Package

100 µl, 25 µl

## 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. ([Note](#))

## Product Note

IP/MS validation is based on published data (PMID: 30377401).

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	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.
<b>Concentration</b>	0.15 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Caspase 3. The exact sequence is proprietary.



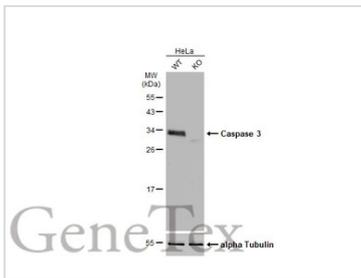
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**Purification** Purified by antigen-affinity chromatography.

**Conjugation** Unconjugated

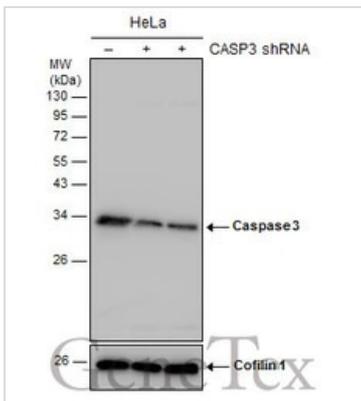
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DATA IMAGES



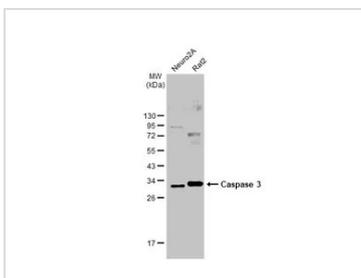
**GTx110543 WB Image**

Wild-type (WT) and Caspase 3 knockout (KO) HeLa cell extracts (30 µg) 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 µg) 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 µg) 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.



For full product information, images and publications, please visit our [website](#).