

Caspase 3 antibody

Cat. No. GTX110543

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

References (165)

★★★★☆ 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

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.



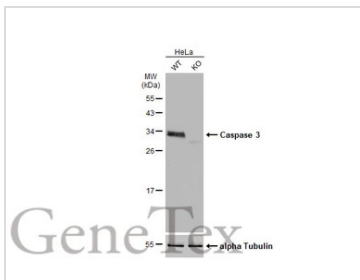
For full product information, images and publications, please visit our [website](#).

Purification Purified by antigen-affinity chromatography.

Conjugation Unconjugated

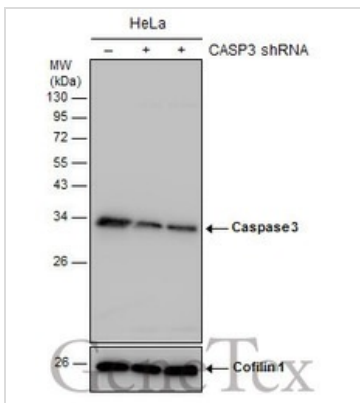
Note For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence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

DATA IMAGES



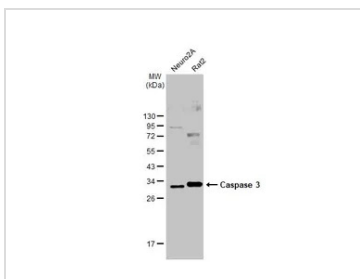
GTx110543 WB Image

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