

Antibody Data

Product SKU:	CAB2156	Observed MW	17kDa, 35kDa
Applications:	WB; IHC; IF	Calculated MW	31kDa
Reactivity:	Human, Mouse, Rat		

Immunogen Information:

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 55-160 of human CASP3 (NP_004337.2).

Gene ID: 836

Swiss Prot: P42574

Synonyms: CASP3; CPP32; CPP32B; SCA-1; caspase-3

Product Information:

Source: Rabbit

Isotype: IgG

Purification Method: Affinity purification

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

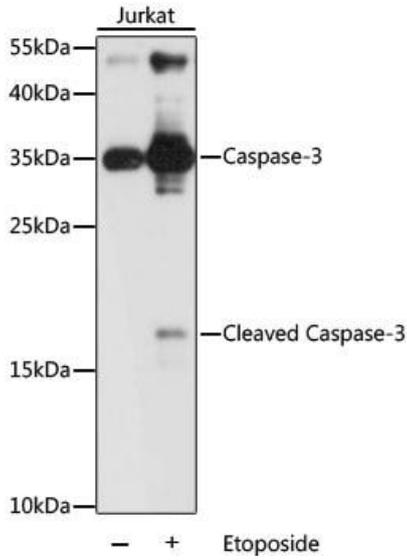
Recommended Dilution: WB 1:500 - 1:2000; IHC 1:50 - 1:200; IF 1:50 - 1:200

Background:

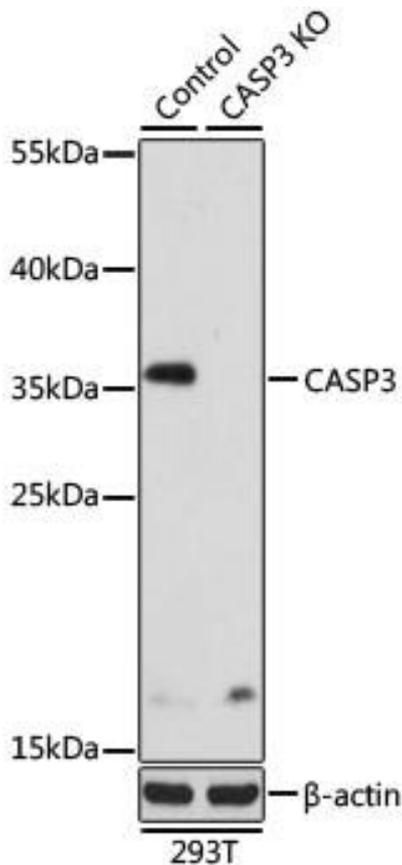
This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues 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. 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.

Images:



Western blot analysis of extracts of Jurkat cells, using CASP3 antibody (CAB2156) at 1:1000 dilution. Jurkat cells treated by Etoposide 25uM etoposide for 5 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



Western blot analysis of extracts from normal (control) and CASP3 knockout (KO) 293T cells, using CASP3 antibody (CAB2156) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.