OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA301776

Caspase 3 (CASP3) Mouse Monoclonal Antibody [Clone ID: CPP32 4-1-18]

Product data:

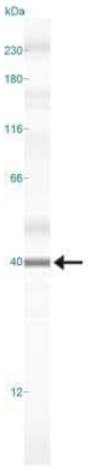
Product Type:	Primary Antibodies
Clone Name:	CPP32 4-1-18
Applications:	ICC/IF, IHC, IP, Simple Western, WB
Recommended Dilution:	Immunohistochemistry-Frozen, Western Blot: 1:500-1:1000, Simple Western: 1:2000, Immunohistochemistry-Paraffin: 1:10-1:500, Immunohistochemistry: 1:200-1:500, Immunoprecipitation: 2 ug / mg lysate, Immunocytochemistry/ Immunofluorescence: 2 ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Full-length recombinant human Caspase 3 protein.
Formulation:	0.1% sodium azide
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caspase 3
Database Link:	NP_116786 Entrez Gene 836 Human P42574
Background:	Caspases are cysteine proteases, expressed as inactive precursors, that mediate apoptosis by proteolysis of specific substrates. Caspases have the ability to cleave after aspartic acid residues. There are two classes of caspases involved in apoptosis; initiators (activation by receptor cluster) and effectors (activation by mitochondrial permeability transition). Proapoptotic signals autocatalytically activate initiator caspases, such as Caspase-8 and Caspase-9. Activated initiator caspases then process effector caspases, such as Caspase-3 and Caspase-7, which in turn cause cell collapse.
Synonyms:	CPP32; CPP32B; SCA-1

View online »

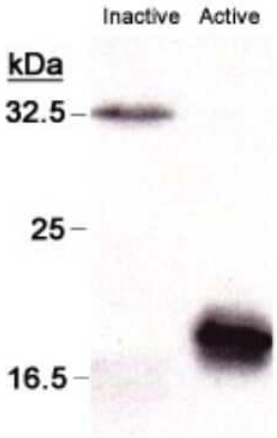
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protease

Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, Huntington's disease, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Parkinson's disease, Pathways in cancer, Viral myocarditis

Product images:

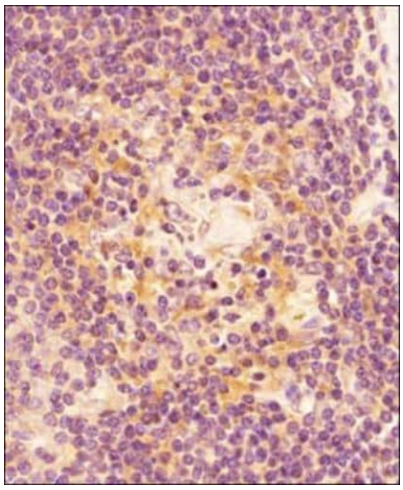


Simple Western: Caspase-3 Antibody (CPP32 4-1-18) TA301776 - Lane view shows a specific band for Caspase 3 in 0.5 mg/ml of Hek293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.

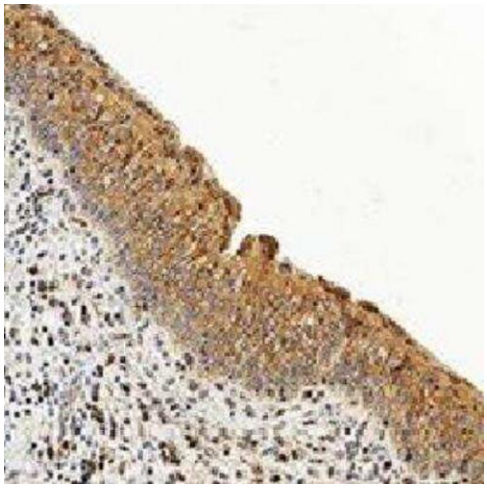


Western Blot: Caspase-3 Antibody (CPP32 4-1-18) TA301776 - Detection of Caspase (19 and 35 kDa) from HEK293 cell extract using (TA301776). Lanes 1 and 2 contain inactive and active Caspase, respectively.

Immunohistochemistry-Paraffin: Caspase-3 Antibody (CPP32 4-1-18) TA301776 - Rat epithelial cells of the tongue base. Antigen retrieval method: Citrate buffer.



Immunohistochemistry-Paraffin: Caspase-3 Antibody (CPP32 4-1-18) TA301776 - Analysis of a FFPE human spleen section using 1:200 dilution of . The staining was developed using HRP conjugated anti-mouse secondary antibody and DAB reagent. This Caspase 3 antibody generated a specific staining in the cytoplasm of various spleenocytes.



Immunohistochemistry-Paraffin: Caspase-3 Antibody (CPP32 4-1-18) TA301776 - Caspase-3 was detected in immersion fixed paraffin-embedded sections of human bladder 1:300 dilution of mouse monoclonal Caspase-3 Antibody (CPP32 4-1-18) (TA301776, Novus Biologicals), for 1 hour at room temperature followed by anti-mouse IgG VisUCyte HRP polymer(VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue).