

NEUROMICS

Caspase-3 (N terminal region) Data Sheet

Catalog Number:	RA21012	Host:	Rabbit
Product Type:	Rabbit Polyclonal IgG	Species Reactivity:	Human
Immunogen Sequence:	Synthetic peptide	Format:	Lyophilized powder
Applications:	Immunohistochemistry: 5-10 ug/ml Immunofluorescence: 2-15 ug/ml Western Blot: 1 ug/ml		

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

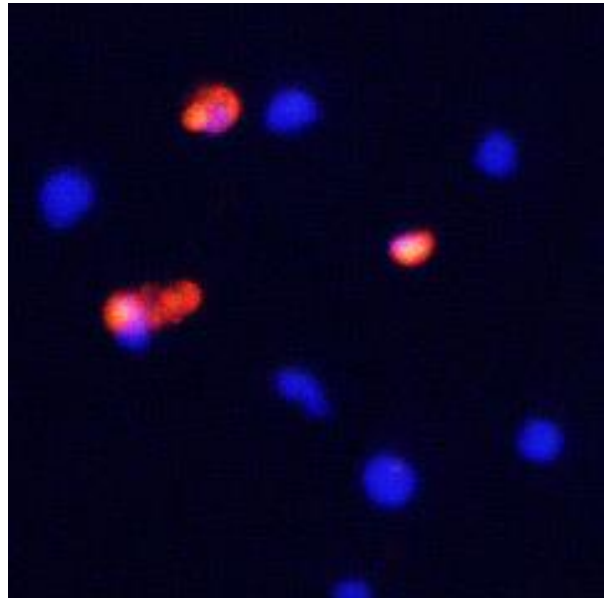
Storage: The product can be stored as supplied for up to 12 months at 2°C-4°C. After reconstitution, aliquot and store at -20°C for higher stability or at 4°C with an appropriate antibacterial agent. Avoid freeze thaw-cycles.

Application Notes

Description/Data:

Caspase 3 is a heterotetramer of two heterodimers arranged in anti-parallel orientation. Caspase 3 activates caspases 6 and 7 and this sequential activation leads to apoptosis. CASP3 is a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Caspase 3 participates in cleavage of Amyloid beta 4A precursor protein which is implicated with neuronal death Alzheimer's disease. Caspase 3 in turn is processed by caspases 8, 9 and 10.

Images: Immunohistochemical detection of Caspase 3 in apoptosis induced Jurkat cells. Cells were fixed with 1% formaldehyde incubated with rabbit polyclonal antibody to N-terminal region of Caspase 3 at 6 µg/mL overnight at 4°C followed by incubation with Donkey anti-rabbit Rhodamine Red conjugated secondary antibodies at 1:200 dilution. Nuclei were counterstained with DAPI (blue).



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