

Product datasheet for TA336390

Caspase-7 (CASP7) Mouse Monoclonal Antibody [Clone ID: 25B881.1]

Product data:

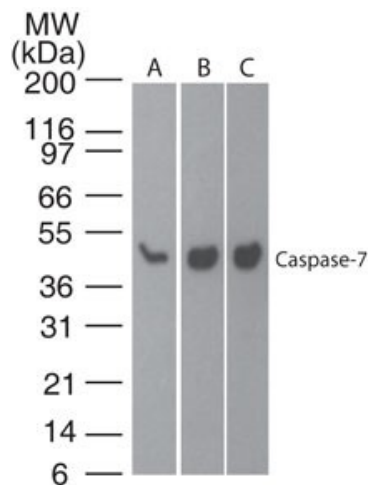
Product Type:	Primary Antibodies
Clone Name:	25B881.1
Applications:	IHC, WB
Recommend Dilution:	WB: 1-2 ug/ml, IHC-P: 5 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This antibody was generated against recombinant protein of active form of human Caspase-7.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	Please see the vial label for concentration. If unlisted please contact technical services.
Purification:	Protein G purified
Gene Name:	caspase 7
Database Link:	NP_203124 Entrez Gene 12369 Mouse Entrez Gene 64026 Rat Entrez Gene 840 Human
Background:	Caspases are a family of cysteine proteases that are key mediators of programmed cell death or apoptosis. The precursor form of all caspases is composed of a prodomain, and large and small catalytic subunits. The active forms of caspases are generated by several stimuli including ligand-receptor interactions, growth factor deprivation and inhibitors of cellular functions. All known caspases require cleavage adjacent to aspartates to liberate one large and one small subunit, which associate into a2b2 tetramer to form the active enzyme. Caspase-7 is derived from the cleavage of proMCH3-alpha into 2 subunits, p20 and p12 by Caspase-3. Sequence analysis revealed that the MCH3-alpha amino acid sequence had the highest homology to caspase-3 (53% identity) and less than 37% identity with all other family members.
Synonyms:	CASP-7; CMH-1; ICE-LAP3; LICE2; MCH3
Protein Families:	Druggable Genome, Protease



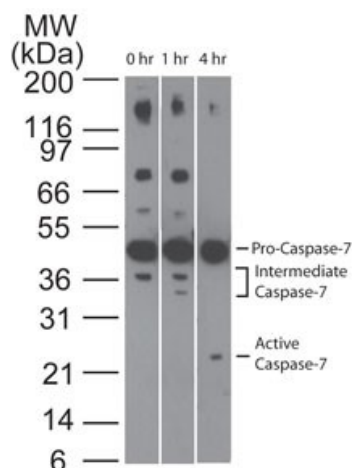
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Protein Pathways: Alzheimer's disease, Apoptosis

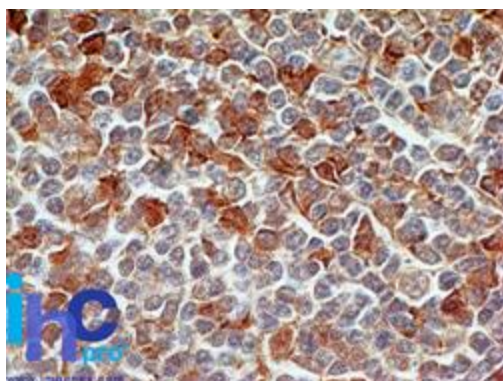
Product images:



Western Blot: Caspase 7 Antibody (25B881.1) TA336390 - analysis of Caspase-7 in A) human brain, B) mouse brain and C) rat brain lysate using Caspase-7 antibody at 1 ug/ml.



Western Blot: Caspase 7 Antibody (25B881.1) TA336390 - analysis of Caspase-7 in Jurkat cells using Caspase-7 antibody at 1 ug/ml. Cells were treated with 2 uM staurosporine for different time periods. Caspase-7 activation is detected in western blots by



Immunohistochemistry-Paraffin: Caspase 7 Antibody (25B881.1) TA336390 - Formalin-fixed, paraffin-embedded human tonsil stained with Caspase-7 antibody at 5 ug/ml. Novus' human tonsil tissue slide was used for this test. Staining of formalin-fixed tissues