

Product datasheet for **TA354212**

Caspase-7 (CASP7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from N-terminus of human Caspase 7 protein
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	caspase 7
Database Link:	NP_001218 Entrez Gene 840 Human P55210

Background: Caspase-7 belongs to 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. Those dimerize to form the active enzyme. The precursor of this caspase is cleaved by Caspase 3 and 10. It is activated upon cell death stimuli and induces apoptosis. Caspase-7(CMH-1, Mch3, ICE-LAP3) has been identified as a major contributor to the execution of apoptosis. It is cleaved by many enzymes, including caspases-3, -6, -8, -9 and granzyme B . Once activated, caspase-7 cleaves many of the same substrates as caspase-3, including poly (ADP-ribose) polymerase, or PARP.



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Synonyms: CASP-7; CMH-1; ICE-LAP3; LICE2; MCH3

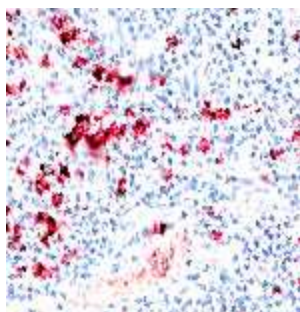
Protein Families: Druggable Genome, Protease

Protein Pathways: Alzheimer's disease, Apoptosis

Product images:



WB: The cell lysate derived from Jurkat was immunoprobed by Rabbit anti-Caspase-7 antibody at 1:500. An immunoreactive band is observed around ~35 kDa.



IHC: Human liver tissue stained with Anti-Caspase 7 antibody at 1:50 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.