

Product datasheet for **TA305983**

Caspase 9 (CASP9) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Caspase-9 antibody was raised against a peptide corresponding to amino acids 299 to 318 of human caspase-9 .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caspase 9
Database Link:	NP_001220 Entrez Gene 842 Human P55211



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Background:

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. A novel member in the caspase family was recently identified and designated ICE-LAP6, Mch6, and Apaf-3 (1-3). Caspase-9 and Apaf-1 bind to each other, which leads to caspase-9 activation (3). Caspase-9 is also activated by granzyme B and CPP32 (1,2). Activated caspase-9 cleaves and activates caspase-3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis (3). Caspase-9 play a central role in cell death induced by a wide variety of apoptosis activators including TNFalpha, TRAIL, anti-CD-95, FADD, and TRADD (4). Caspase-9 is expressed in a variety of human tissues (1,2).

Synonyms:

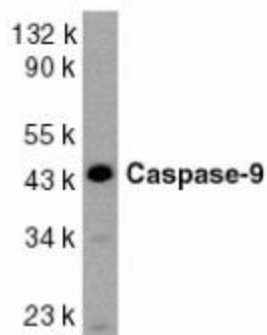
APAF-3; APAF3; ICE-LAP6; MCH6; PPP1R56

Protein Families:

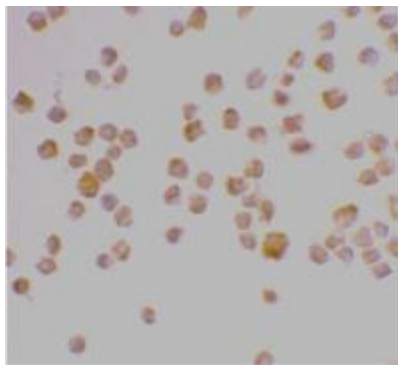
Druggable Genome, Protease, Stem cell - Pluripotency

Protein Pathways:

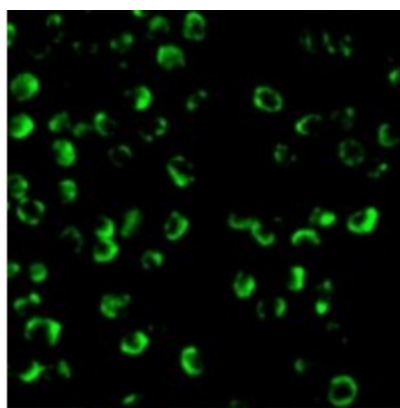
Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Endometrial cancer, Huntington's disease, Non-small cell lung cancer, p53 signaling pathway, Pancreatic cancer, Parkinson's disease, Pathways in cancer, Prostate cancer, Small cell lung cancer, VEGF signaling pathway, Viral myocarditis

Product images:

Western blot analysis of caspase-9 in HeLa whole cell lysate with Caspase-9 antibody at 1:1000 dilution



Immunocytochemistry staining of K562 cells using Caspase-9 antibody at 2 ug/mL.



Immunofluorescence of Caspase-9 in K562 cells with Caspase-9 antibody at 20 ug/mL.