

## Product datasheet for **TA336326**

### Caspase 9 (CASP9) Rabbit Polyclonal Antibody

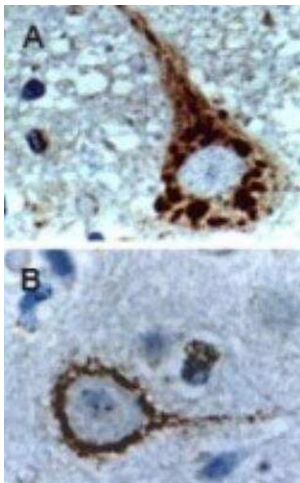
#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, ICC/IF, IHC, IP, WB
Recommended Dilution:	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin: 1:1000-1:5000, Immunohistochemistry-Frozen: Assay Dependent, Flow (Intracellular), Immunoprecipitation: 1:50-1:200
Reactivity:	Human, Mouse, Rat, Canine, Gerbil
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant catalytically active human Caspase-9 protein was used as immunogen (NP_001220).
Formulation:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Whole antisera
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	caspase 9
Database Link:	<a href="#">NP_001220</a> <a href="#">Entrez Gene 12371 Mouse</a> <a href="#">Entrez Gene 58918 Rat</a> <a href="#">Entrez Gene 842 Human</a> <a href="#">P55211</a>

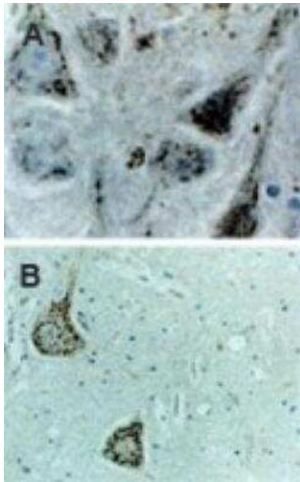


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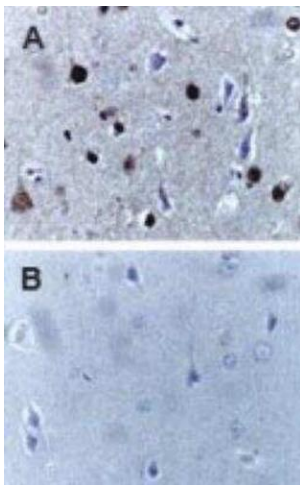
<b>Background:</b>	Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death signals are transduced by death domain containing adapter molecules and members of the caspase family of proteases. A novel member in the caspase family was recently identified and designated ICE-LAP6, Mch6, and Apaf-3. Caspase-9 and Apaf-1 bind to each other, which leads to caspase-9 activation. Caspase-9 is also activated by granzyme B and CPP32. 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. 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. Caspase-9 is expressed in a variety of human tissues.
<b>Synonyms:</b>	APAF-3; APAF3; ICE-LAP6; MCH6; PPP1R56
<b>Note:</b>	This antibody is useful for immunoprecipitation, Western Blot, Immunohistochemistry-Paraffin and Immunohistochemistry-Frozen . Use in Flow Intracellular reported in scientific literature (PMID 24804954)
<b>Protein Families:</b>	Druggable Genome, Protease, Stem cell - Pluripotency
<b>Protein Pathways:</b>	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:**

Immunohistochemistry-Paraffin: Caspase-9 Antibody TA336326 - Analysis of Dog Brain sections stained for Active/Cleaved Caspase-9 expression at 1:2000. A and B. The pattern of Caspase-9 staining may vary between different types of neurons. Hematoxylin-eosin counterstain.



Immunohistochemistry-Paraffin: Caspase-9 Antibody TA336326 - Analysis of Dog Brain sections stained for cleaved Caspase-9 expression using this antibody at 1:2000. A) Section from a dog brain 2 hr after reperfusion injury. B) Section from a dog brain sham control (brain surgery but no injury). Hematoxylin-eosin counterstain.



Immunohistochemistry-Paraffin: Caspase-9 Antibody TA336326 - Analysis Human Brain sections stained for cleaved Caspase-9 expression using this antibody at 1:2000. A) Section from a patient 24 hr after head trauma. B) Control: section from a patient with no known neurological disease or head injury. Hematoxylin-eosin counterstain.