

Product datasheet for **TA321309**

Caspase 9 (CASP9) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | IHC: 100-300 Positive control: Human colon cancer Predicted cell location: Nucleus, Cytoplasm |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide corresponding to a region derived from 41-56 amino acids of human caspase 9, apoptosis-related cysteine peptidase |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| 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 12371 Mouse Entrez Gene 842 Human P55211 |

Background: This gene encodes 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; that dimerize to form the active enzyme. This protein is processed by caspase APAF1; this step is thought to be one of the earliest in the caspase activation cascade. Alternative splicing results in two transcript variants which encode different isoforms.



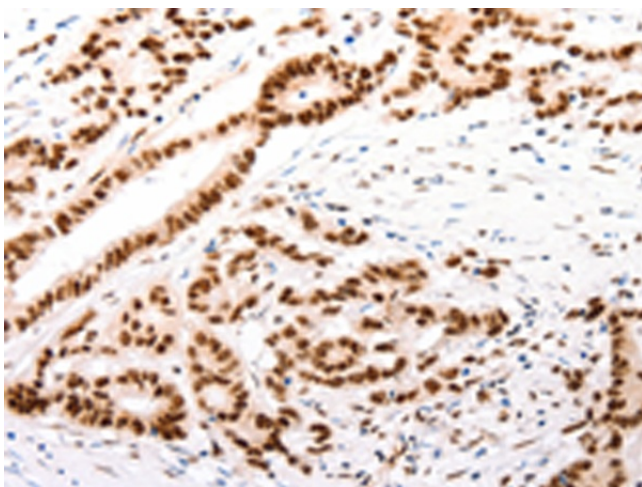
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Synonyms: APAF-3; APAF3; ICE-LAP6; MCH6; PPP1R56

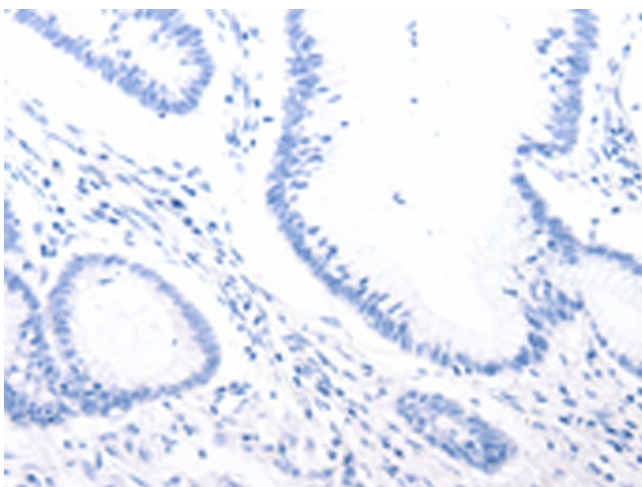
Protein Families: Druggable Genome, Protease, Stem cell - Pluripotency

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

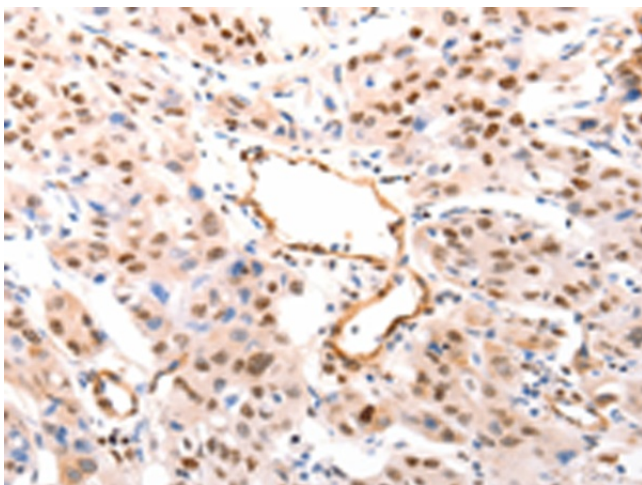
Product images:



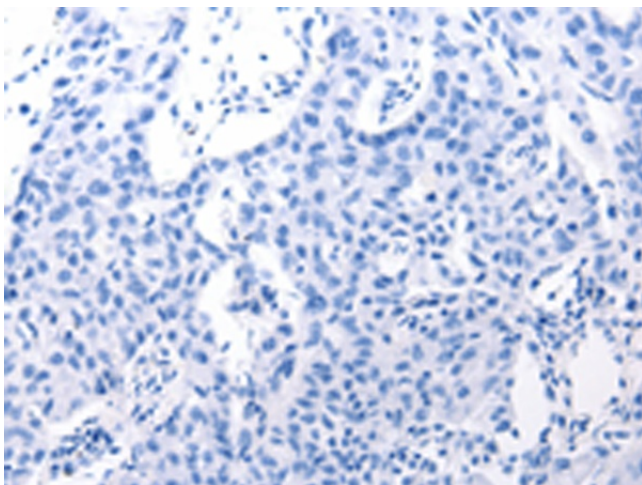
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA321309 (CASP9 (active) Antibody) at dilution 1/80 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA321309 (CASP9 (active) Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321309 (CASP9 (active) Antibody) at dilution 1/80 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA321309 (CASP9 (active) Antibody) at dilution 1/80, treated with synthetic peptide. (Original magnification: $\times 200$)