

Product datasheet for **TA321992S**

APAF1 Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | IHC: 25-100 Positive control: Human brain Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide corresponding to a region derived from 8-20 amino acids of Human apoptotic peptidase activating factor 1 |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | apoptotic peptidase activating factor 1 |
| Database Link: | NP_001151 Entrez Gene 11783 Mouse Entrez Gene 78963 Rat Entrez Gene 317 Human O14727 |
| Background: | This gene encodes a cytoplasmic protein that initiates apoptosis. This protein contains several copies of the WD-40 domain; a caspase recruitment domain (CARD); and an ATPase domain (NB-ARC). Upon binding cytochrome c and dATP; this protein forms an oligomeric apoptosome. The apoptosome binds and cleaves caspase 9 preproprotein; releasing its mature; activated form. Activated caspase 9 stimulates the subsequent caspase cascade that commits the cell to apoptosis. Alternative splicing results in several transcript variants encoding different isoforms. |
| Synonyms: | APAF-1; CED4 |

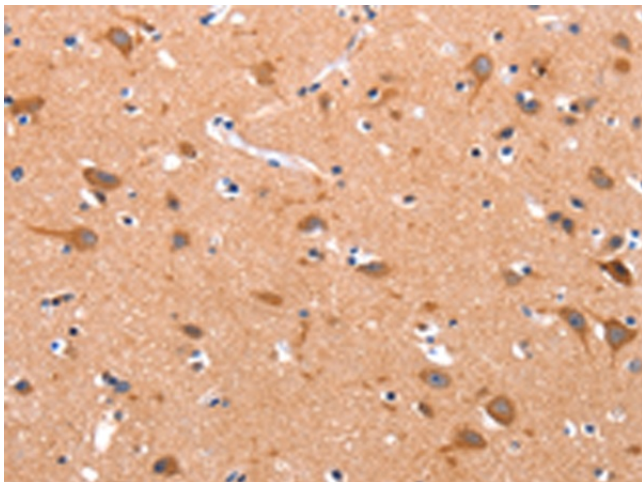


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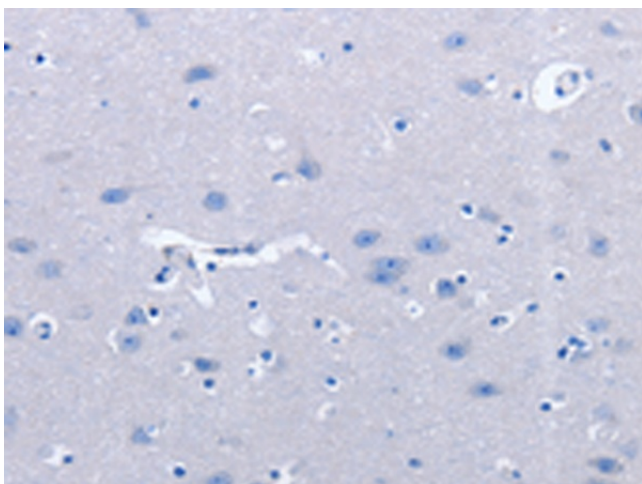
Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Huntington's disease, p53 signaling pathway, Parkinson's disease, Small cell lung cancer

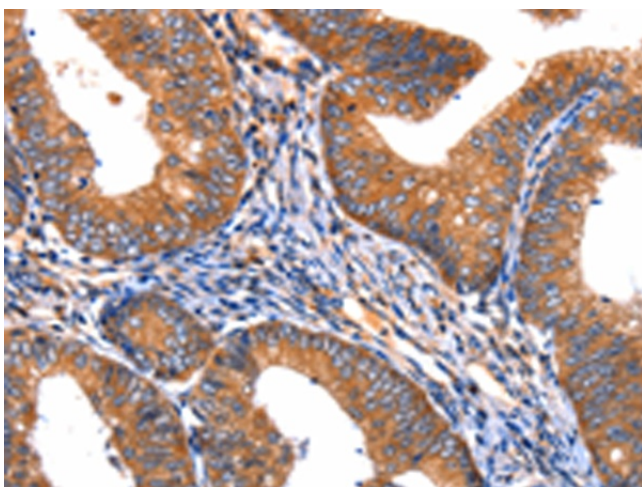
Product images:



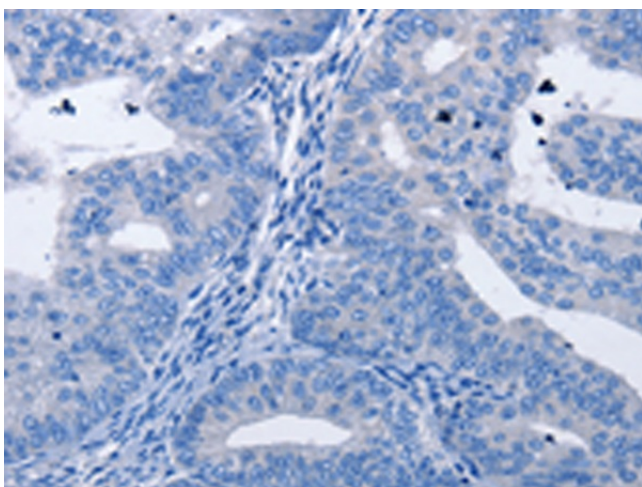
Immunohistochemistry of paraffin-embedded Human brain tissue using [TA321992] (APAF1 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA321992] (APAF1 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA321992] (APAF1 Antibody) at dilution 1/30 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA321992] (APAF1 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: $\times 200$)