

Product datasheet for **TA319624**

Caspase 3 (CASP3) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | IHC: 5 ug/mL |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Caspase-3 antibody was raised against a 17 amino acid synthetic peptide near the center of human Caspase-3. |
| Formulation: | Caspase-3 Antibody is supplied in PBS containing 0.02% sodium azide. |
| Concentration: | 1ug/ul |
| Purification: | Caspase-3 Antibody is affinity chromatography purified via peptide column. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 30 kDa |
| Gene Name: | caspase 3 |
| Database Link: | NP_004337 Entrez Gene 836 Human P42574 |



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Background:

Caspase-3 Antibody: Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. The apoptotic subfamily can be further divided into initiator caspases, which are activated in response to death signals, and executioner caspases, which are activated by the initiator caspases and are responsible for cleavage of cellular substrates that ultimately lead to cell death. Caspase-3 is synthesized as an inactive proenzyme that undergoes proteolytic cleavage by caspases 8, 9 and 10 to produce 2 subunits, termed p20 and p11. These subunits dimerize to form the active enzyme. Caspase-3 proteolytically cleaves and activates other proteins such as caspases 6, 7 and 9.

Synonyms:

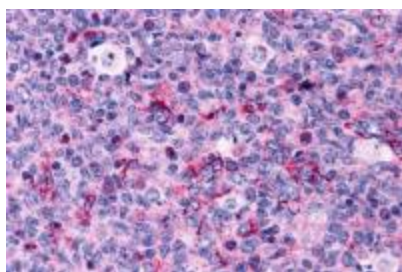
CPP32; CPP32B; SCA-1

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Protease

Protein Pathways:

Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Epithelial cell signaling in Helicobacter pylori infection, Huntington's disease, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Parkinson's disease, Pathways in cancer, Viral myocarditis

Product images:

Immunohistochemistry of Caspase-3 in human tonsil tissue with Caspase-3 antibody at 5 ug/mL.