

## CASP9 (ACTIVE) RABBIT PAB

**Cat.#:** S214033

**Product Name:** Anti-CASP9 (active) Rabbit Polyclonal Antibody

**Synonyms:** MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6; CASPASE-9c

**UNIPROT ID:** P55211 (Gene Accession - NP\_001220 )

**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.

**Immunogen:** Synthetic peptide of human CASP9 (active)

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 100-300; ELISA: 2000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

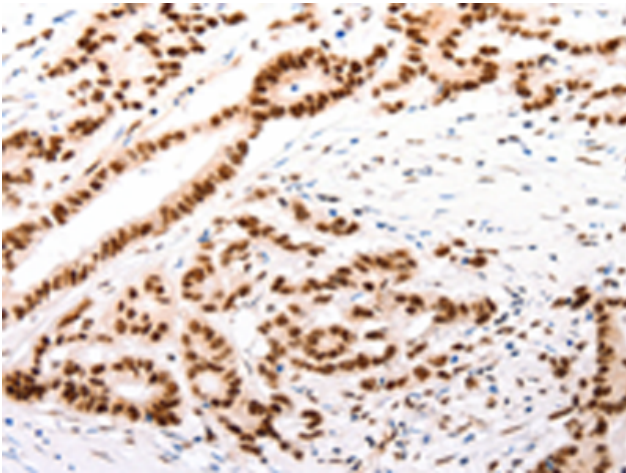
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

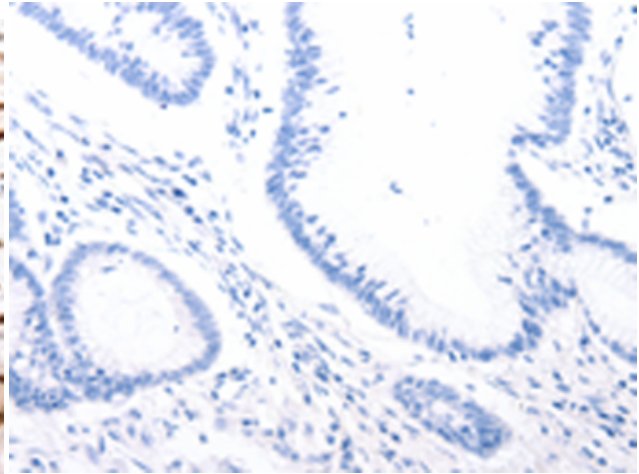
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cancer

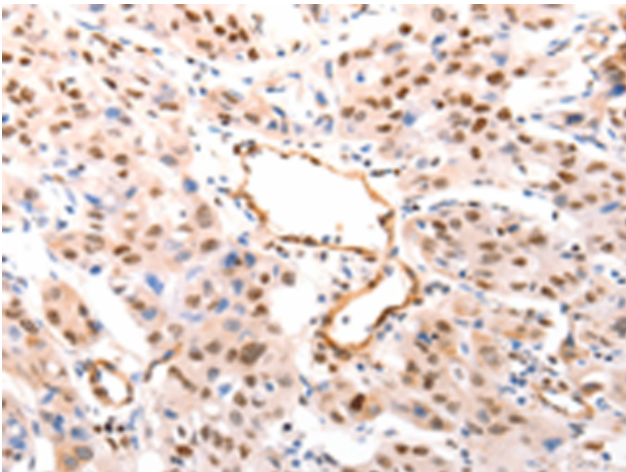
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



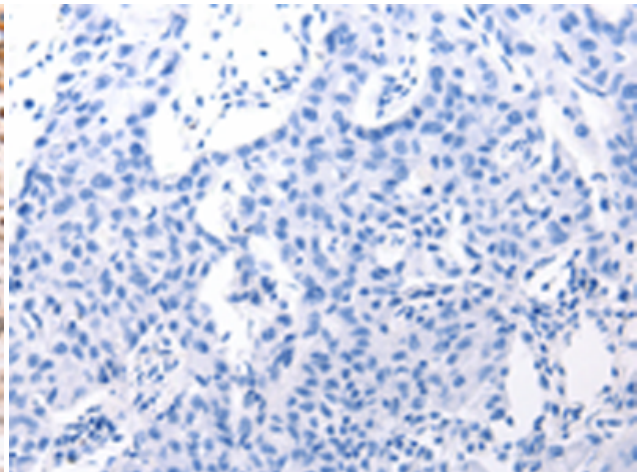
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 214033 (CASP9 (active) Antibody) at a dilution of 1/80 (Nucleus, Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the synthetic peptide and then with 214033 (Anti-CASP9 (Anti-active) Antibody) at dilution 1/80.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 214033 (Anti-CASP9 (Anti-active) Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with synthetic peptide and then with D161227 (Anti-CASP9 (Anti-active) Antibody) at dilution 1/80.