

## CALML6 RABBIT PAB

**Cat.#:** S221668

**Product Name:** Anti-CALML6 Rabbit Polyclonal Antibody

**Synonyms:** CAGLP

**UNIPROT ID:** Q8TD86 (Gene Accession - NP\_619650 )

**Background:** The level of intracellular calcium is tightly regulated in all eukaryotic cells. A modest increase in this level can result in a myriad of physiological responses, most of which are mediated by calmodulin (CaM), a universal calcium sensor. CaM directly modulates the activity of protein kinases and phosphatases, ion channels and nitric oxide synthetases and is generally involved in such diverse processes as cell proliferation, endocytosis, cellular adhesion, protein turnover and smooth muscle contraction. CALML6 (calmodulin-like 6), also known as CAGLP or CALGP, is a 181 amino acid protein that contains four EF-hand domains and shares functional similarity with CaM. Localized to both the nucleus and the cytoplasm, CALML6 is expressed in heart, prostate, ovary, thymus and bone marrow where it may regulate calcium-related events.

**Immunogen:** Synthetic peptide of human CALML6

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 25-100; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

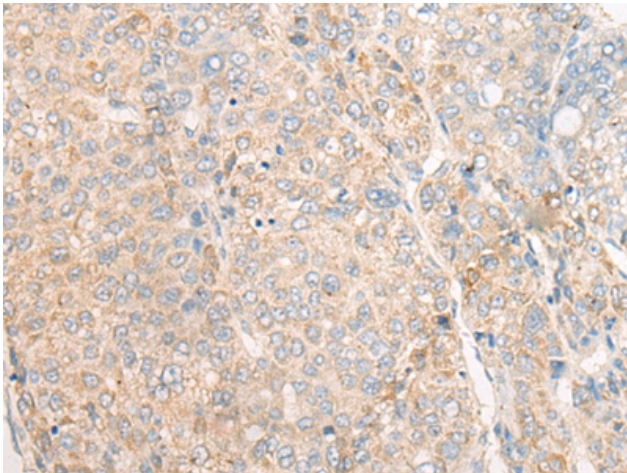
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

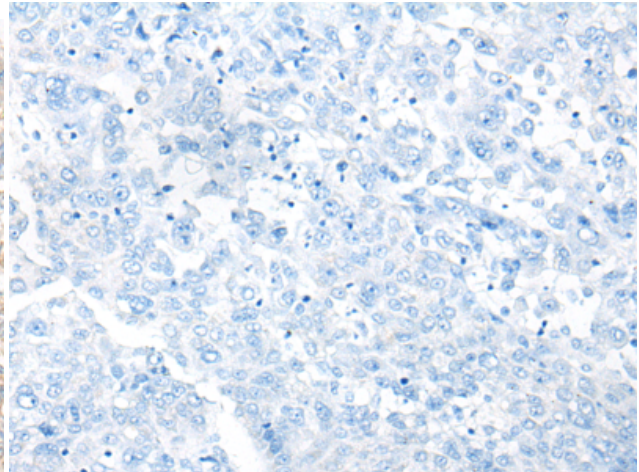
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction

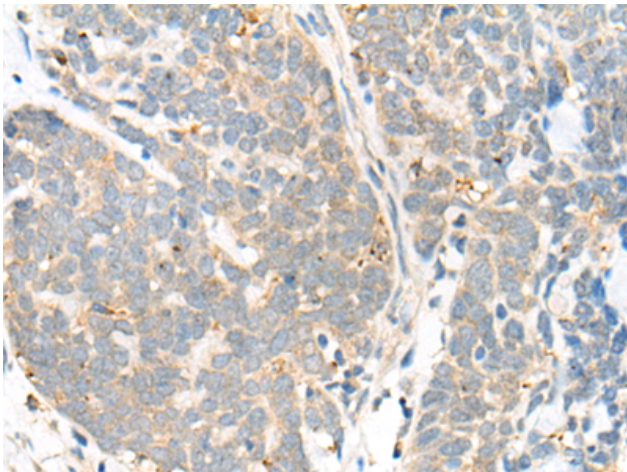
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



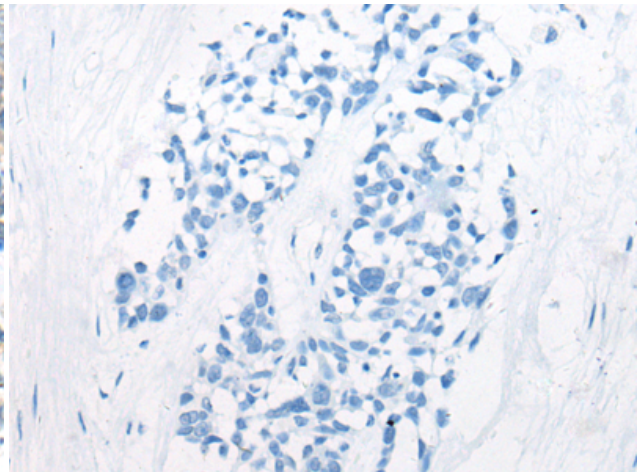
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221668(CALML6 Antibody) at a dilution of 1/30(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221668(Anti-CALML6 Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 221668(Anti-CALML6 Antibody) at a dilution of 1/30.



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with synthetic peptide and then with D263367(Anti-CALML6 Antibody) at dilution 1/30.