

## CHAMP1 RABBIT PAB

**Cat.#:** S221638

**Product Name:** Anti-CHAMP1 Rabbit Polyclonal Antibody

**Synonyms:** CAMP; CHAMP; MRD40; ZNF828; C13orf8

**UNIPROT ID:** Q96JM3 (Gene Accession - NP\_115812 )

**Background:** CHAMP1 (chromosome alignment maintaining phosphoprotein 1), also known as ZNF828 or C13orf8, is a 812 amino acid protein containing one C2H2-type zinc finger. CHAMP1 is required for the proper alignment of chromosomes during metaphase, undergoing CDK1-dependent phosphorylation at multiple sites during mitosis. The phosphorylation counteracts the negative chromosomal alignment regulation of the zinc-finger domain of CHAMP1. One region of CHAMP1, the FPE region, is responsible for spindle and kinetochore localization, which is essential for proper chromosome alignment. CHAMP1 interacts with MAD2L2, PGOZ, CBX1, CBX3 and CBX5, and may recruit CENPE and CENPF to the kinetochore. The CHAMP1 gene is located on chromosome 13 and is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat and chicken.

**Immunogen:** Synthetic peptide of human CHAMP1

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 30-150; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

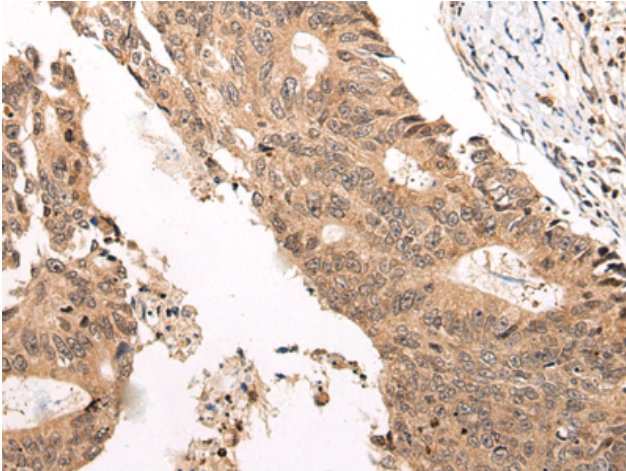
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

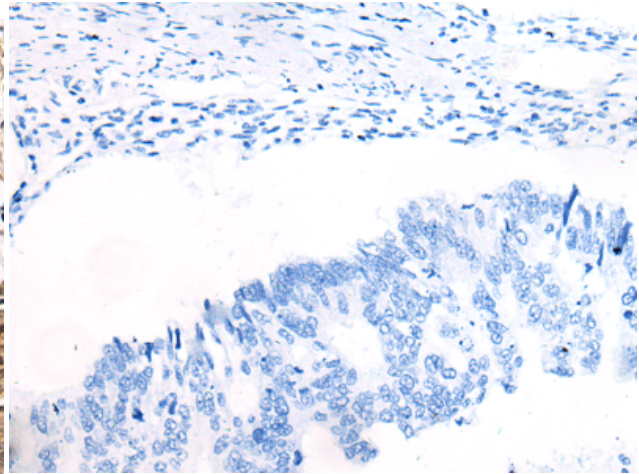
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

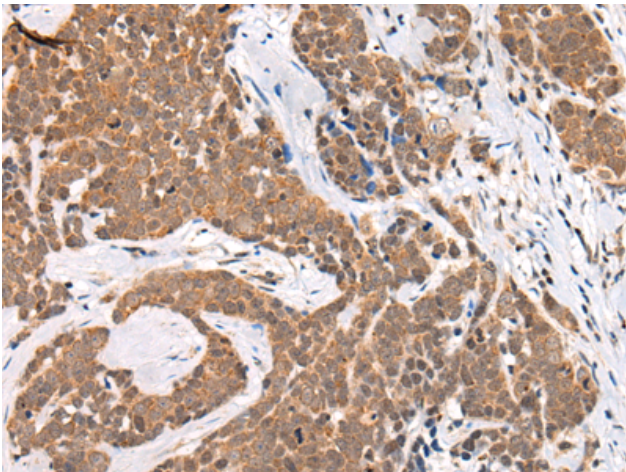
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



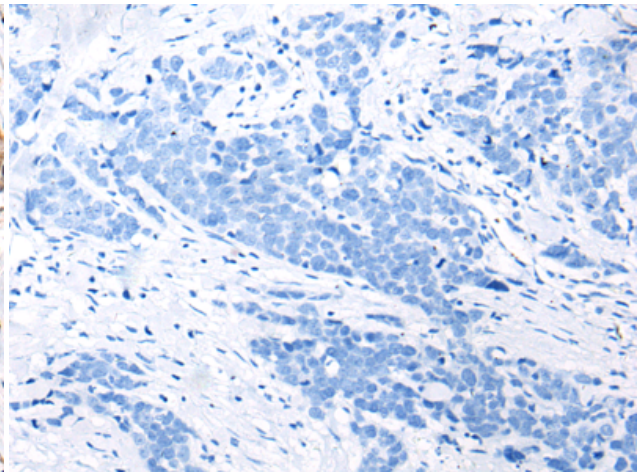
Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 221638(CHAMPI Antibody) at a dilution of 1/40(Nucleus and Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the synthetic peptide and then with 221638(Anti-CHAMPI Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 221638(Anti-CHAMPI Antibody) at a dilution of 1/40.



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 D263323(Anti-CHAMPI Antibody) at dilution 1/40.