

## S100A1 RABBIT PAB

**Cat.#:** S216768

**Product Name:** Anti-S100A1 Rabbit Polyclonal Antibody

**Synonyms:** S100; S100A; S100-alpha

**UNIPROT ID:** P23297 (Gene Accession - BC014392 )

**Background:** The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca<sup>2+</sup>-induced Ca<sup>2+</sup> release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.

**Immunogen:** Fusion protein of human S100A1

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 25-100; ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

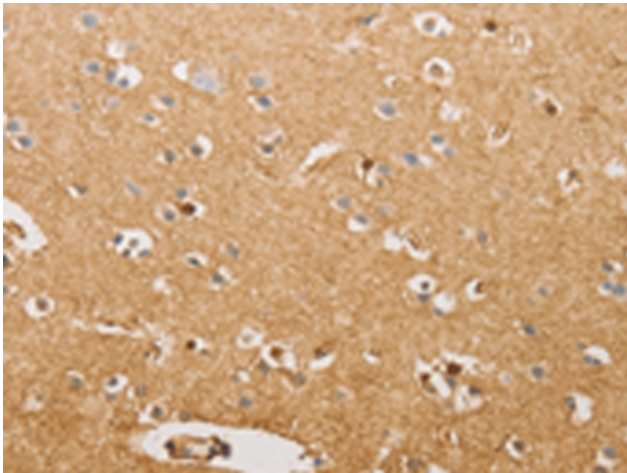
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

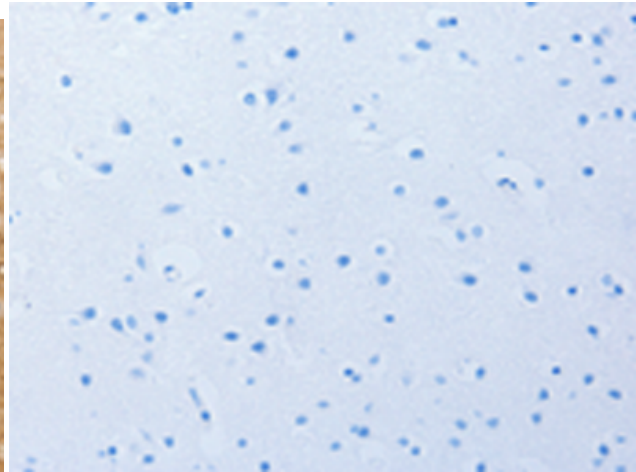
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction

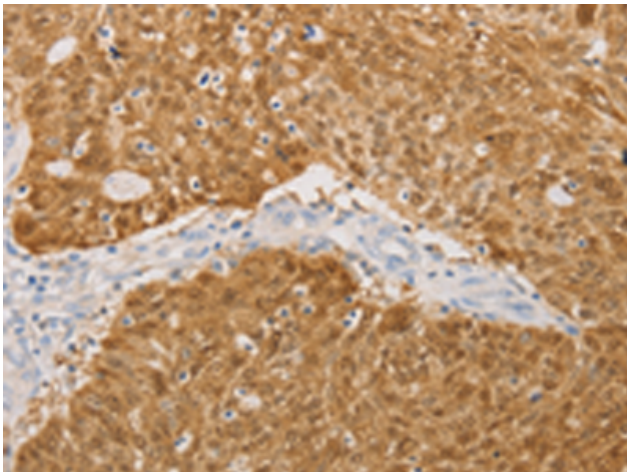
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



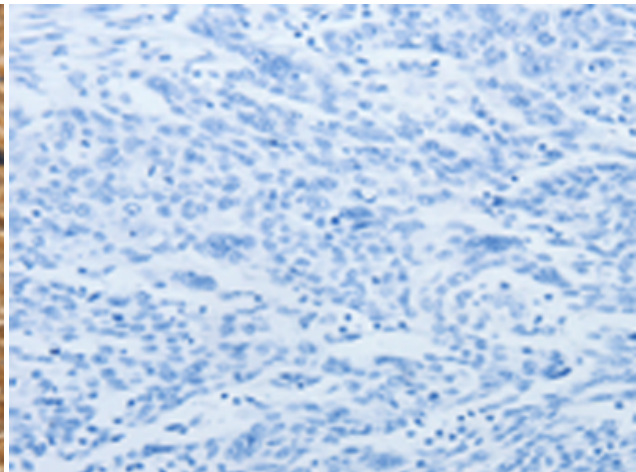
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 216768(S100A1 Antibody) at a dilution of 1/20(Cytoplasm or Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the fusion protein and then with 216768(Anti-S100A1 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 216768(Anti-S100A1 Antibody) at a dilution of 1/20.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with fusion protein and then with D221202(Anti-S100A1 Antibody) at dilution 1/20.