

## CERS1 RABBIT PAB

**Cat.#:** S220668

**Product Name:** Anti-CERS1 Rabbit Polyclonal Antibody

**Synonyms:** EPM8; GDF1; LAG1; UOG1; GDF-1; LASS1

**UNIPROT ID:** P27544 (Gene Accession - NP\_067090 )

**Background:** This gene encodes a ceramide synthase enzyme, which catalyzes the synthesis of ceramide, the hydrophobic moiety of sphingolipids. The encoded enzyme synthesizes 18-carbon (C18) ceramide in brain neurons. Elevated expression of this gene may be associated with increased longevity, while decreased expression of this gene may be associated with myoclonus epilepsy with dementia in human patients. This protein is transcribed from a monocistronic mRNA as well as a bicistronic mRNA, which also encodes growth differentiation factor 1.

**Immunogen:** Synthetic peptide of human CERS1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

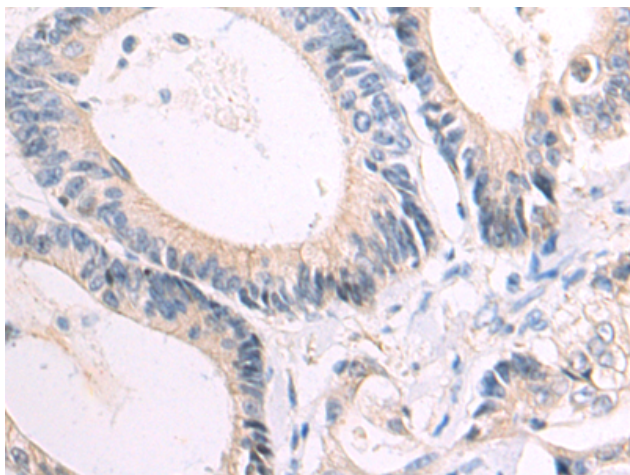
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

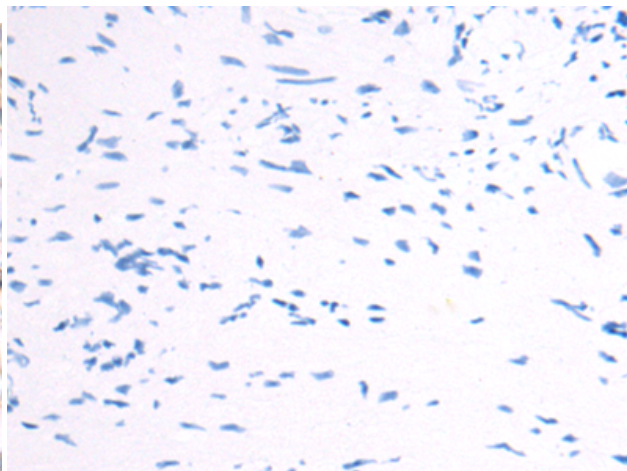
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism, Cancer

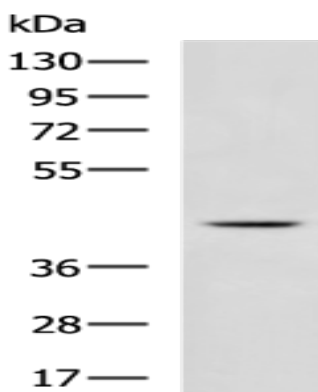
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 220668(CERS1 Antibody) at a dilution of 1/50(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the synthetic peptide and then with 220668(Anti-CERS1 Antibody) at dilution 1/50.



Gel: 8%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane: A172 cell lysate;  
Primary antibody: 220668(CERS1 Antibody) at dilution 1/1000;  
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
Exposure time: 1 minute