

## PSME3 RABBIT PAB

**Cat.#:** S219290

**Product Name:** Anti-PSME3 Rabbit Polyclonal Antibody

**Synonyms:** Ki; PA28G; HEL-S-283; PA28gamma; REG-GAMMA; PA28-gamma

**UNIPROT ID:** P61289 (Gene Accession - BC001423 )

**Background:** The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the gamma subunit of the 11S regulator. Six gamma subunits combine to form a homohexameric ring. Alternate splicing results in multiple transcript variants.

**Immunogen:** Fusion protein of human PSME3

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 200-400; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

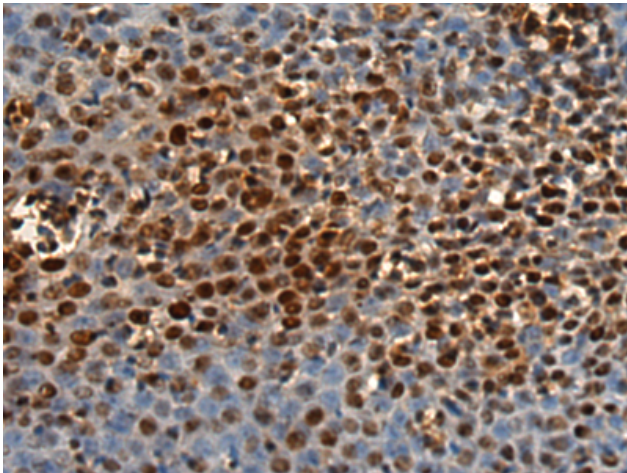
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

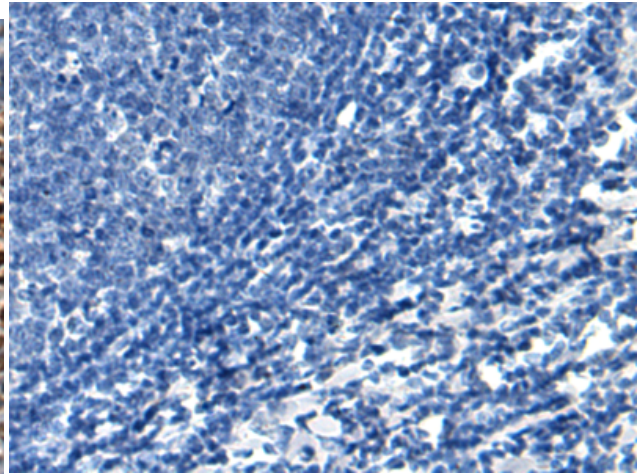
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cell Biology, Immunology, Cancer

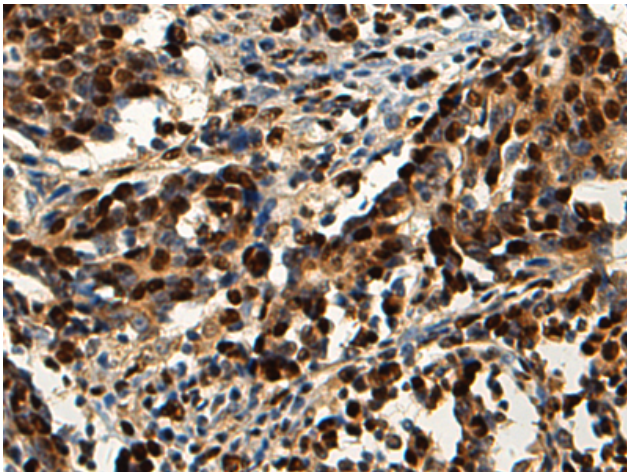
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



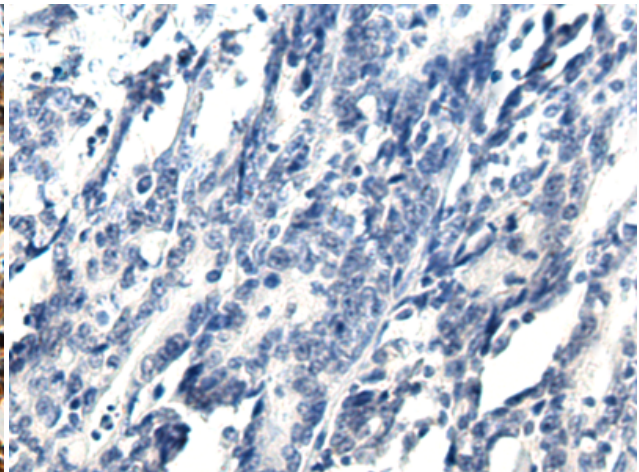
Immunohistochemistry analysis of paraffin embedded Human tonsil tissue using 219290(PSME3 Antibody) at a dilution of 1/240(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with the fusion protein and then with 219290(Anti-PSME3 Antibody) at dilution 1/240.



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 219290(Anti-PSME3 Antibody) at a dilution of 1/240.



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with fusion protein and then with D226222(Anti-PSME3 Antibody) at dilution 1/240.