

PSMA1 RABBIT PAB

Cat.#: S218854

Product Name: Anti-PSMA1 Rabbit Polyclonal Antibody

Synonyms: NU; HC2; PROS30; HEL-S-275

UNIPROT ID: P25786 (Gene Accession - BC005932)

Background: The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Immunogen: Fusion protein of human PSMA1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 150-300;WB: 1000-5000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

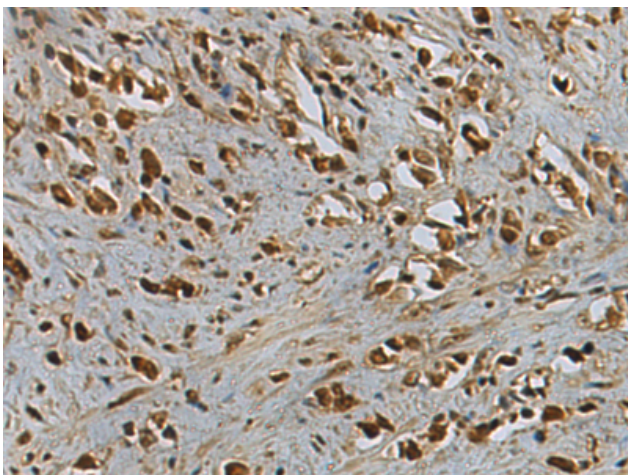
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

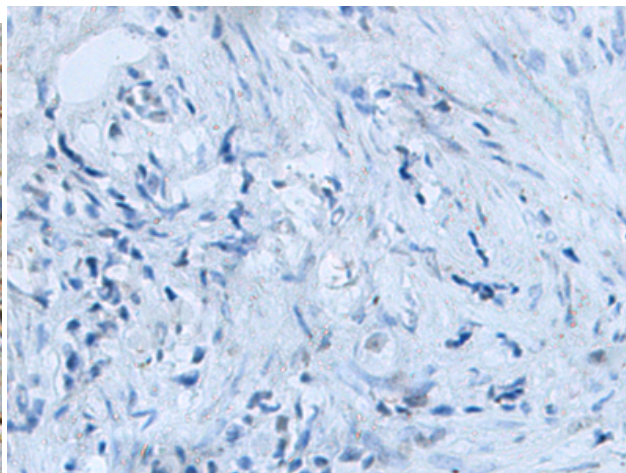
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Cell Biology

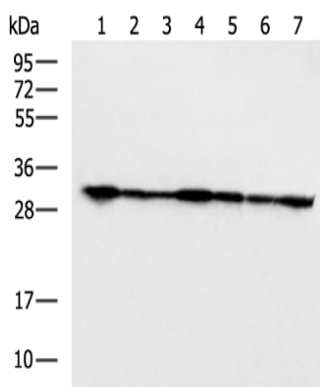
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 218854(PSMA1 Antibody) at a dilution of 1/160(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the fusion protein and then with 218854(Anti-PSMA1 Antibody) at dilution 1/160.



Gel: 12%SDS-PAGE, Lysate: 40 µg;
Lane 1-7: SKOV3, 293T, Raji, PC-3, HepG2, Hela and Jurkat cell lysates;
Primary antibody: 218854(PSMA1 Antibody) at dilution 1/800;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 1 second