

## PSMA3 Ab

[Images\(11\)](#)

Cat.#: DF6377

Size:

Concn.: ~1mg/ml

Source: Rabbit

Mol.Wt.: 28kDa

Clonality: Polyclonal

Application:

WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500

\*The optimal dilutions should be determined by the end user.

Reactivity:

Human,Mouse,Rat

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen:

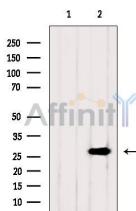
A synthesized peptide derived from human PSMA3, corresponding to a region within the internal amino acids.

Uniprot:

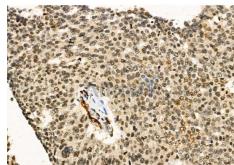
P25788

Description:

The 20S proteasome is the major proteolytic enzyme complex involved in intracellular protein degradation. It consists of four stacked rings, each with seven distinct subunits. The two outer layers are identical rings composed of  $\beta$  subunits (called PSMA<sub>3</sub>), and the two inner layers are identical rings composed of  $\alpha$  subunits. While the catalytic sites are located on the  $\beta$  rings (1-3), the  $\alpha$  subunits are important for assembly and as binding sites for regulatory proteins. Seven different  $\beta$  and ten different  $\alpha$  proteasome genes have been identified in mammals. PA700, PA28, and PA200 are three major protein complexes that function as activators of the 20S proteasome.



Western blot analysis of extracts from Mouse liver, using PSMA3 Ab. The lane on the left was treated with blocking peptide.



DF6377 at 1/100 staining Human ovarian cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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