

Prostate Specific Membrane Antigen (PSMA) (AB1585) mouse mAb

V0119

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- Immunohistochemistry (IHC)

MW

- 84 kDa (calculated)
- 110 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1585

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human Prostate Specific Membrane Antigen protein.

Specificity The antibody can specifically recognize human PSMA protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name FOLH1

Protein Name Prostate Specific Membrane Antigen

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q04609	2346

Background PSMA is a 110kDa type II transmembrane protein. The gene is located in 11q and is expressed in normal and neoplastic prostate epithelium, as well as in breast, duodenum, colonic mucosa, kidney and tumors of its origin. The expression of PSMA increased after cell carcinogenesis, which was positively correlated with tumor grade and hormone resistance. Combined with PSA can improve the diagnosis of prostate cancer metastasis.