

## PSCA (AB2349) mouse mAb

W0042

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human;

#### Applications

- WB; IF; ELISA

#### MW

- 13 kDa (calculated)
- 18 kDa (observed)

#### Isotype

- IgG2b, kappa

### Recommended Dilution Ratios

#### Application

WB; IF; ELISA

#### Dilution

WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL.  
 Please optimize the concentration based on your specific assay requirements.

### 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  | AB2349                                                                                        |
| Immunogen     | A synthetic peptide corresponding to the amino acid region 1 - 100 of the human PSCA protein. |
| Specificity   | This antibody detects endogenous levels of PSCA 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     | PSCA     |             |         |
| Protein Name  | PSCA     |             |         |
| Database Link | Organism | Swiss Prot. | Gene ID |
|               | Human    | O43653      | 8000    |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background | prostate stem cell antigen (PSCA) Homo sapiens This gene encodes a glycosylphosphatidylinositol-anchored cell membrane glycoprotein. In addition to being highly expressed in the prostate it is also expressed in the bladder, placenta, colon, kidney, and stomach. This gene is up-regulated in a large proportion of prostate cancers and is also detected in cancers of the bladder and pancreas. This gene includes a polymorphism that results in an upstream start codon in some individuals; this polymorphism is thought to be associated with a risk for certain gastric and bladder cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010], |
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