

Datasheet for ABIN7654141

## anti-PSMA antibody (AA 232-433) (CF®647)



[Go to Product page](#)

### Overview

|                      |                                            |
|----------------------|--------------------------------------------|
| Quantity:            | 100 µL                                     |
| Target:              | PSMA (FOLH1)                               |
| Binding Specificity: | AA 232-433                                 |
| Reactivity:          | Human                                      |
| Host:                | Mouse                                      |
| Clonality:           | Monoclonal                                 |
| Conjugate:           | This PSMA antibody is conjugated to CF®647 |
| Application:         | Please inquire                             |

### Product Details

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| Purpose:         | FOLH1 / PSMA (Prostate Epithelial Marker)(FOLH1/2121), CF647 conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen:       | Recombinant human FOLH1 protein fragment (around aa 232-433)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clone:           | FOLH1-2121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype:         | IgG2b, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Characteristics: | <p>Folate hydrolase 1 (FOLH1), also known as Prostate-specific membrane antigen (PSMA), is a type II transmembrane glycoprotein belonging to the M28 peptidase family. FOLH1 has two enzymatic activities, one as a prostate-specific integral membrane folate hydrolase and the other as a carboxypeptidase. In the prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent</p> |

## Product Details

dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PSMA (FOLH1)                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | FOLH1                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | Synonyms: Cell growth-inhibiting gene 27 protein (GIG27), Folylpoly-gamma-glutamate carboxypeptidase (FGCP), Glutamate carboxylase II (GCPII), N-acetylated-alpha-linked acidic dipeptidase I (NAALAD1 or NAALADase), Prostate-specific membrane antigen (PSM or PSMA), Pteroylpoly-gamma-glutamate carboxypeptidase<br>Gene Symbol: FOLH1<br>Tissue Expression: Prostate |
| Molecular Weight: | 100 kDa                                                                                                                                                                                                                                                                                                                                                                   |
| Gene ID:          | 2346                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">Q04609</a>                                                                                                                                                                                                                                                                                                                                                    |

## Application Details

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| Application Notes: | For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µL for flow cytometry |
| Comment:           | Positive Control: LNCap or HepG2 cells. Prostate Carcinoma.                                                                                                                                                                                                                                                                                                                                                                           |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Handling

|                |                              |
|----------------|------------------------------|
| Format:        | Liquid                       |
| Concentration: | 0.1 mg/mL                    |
| Buffer:        | PBS, 0.1 % BSA, 0.05 % azide |
| Preservative:  | Sodium azide                 |

## Handling

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Handling Advice: | Protect from light |
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| Storage: | 4 °C |
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| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
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| Expiry Date: | 24 months |
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