

## Anti-PSMA Antibody (11379)

## Product Details

|               |                         |
|---------------|-------------------------|
| Ig Type:      | Rabbit IgG              |
| Reactivity:   | Human                   |
| Conjugation:  | Unconjugated            |
| Clone:        | 11379                   |
| Purification: | Affinity-chromatography |

## Applications

|                    |  |
|--------------------|--|
| Verified Activity: | IHC image of TMAH-00449 diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond <sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB. |
| Application:       | ELISA, IHC   |
| Recommended        | IHC:1:50-1:200.  |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | A synthetic peptide: Human PSMA  |
| Antigen Species: | Human  |
| Gene ID:         | 2346   |
| Uniprot ID:      | Q04609   |
| Synonyms:        | GCPII;FOLH1;PSMAFGCP;GCPIImGCP;FOLH;NAALADase I;PSMA;NAALAD1;PSM;GCP2;Folate hydrolase 1;mGCP;GIG27;FOLHNAALADase I;FGCP;NAALADase |
| Biology Area:    | Cancer, Metabolism, Signal transduction  |

## Research Background

Has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Has a preference for tri-alpha-glutamate peptides. In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the hydrolysis of the neuropeptide, N-aceylaspartylglutamate (NAAG), thereby releasing glutamate. Involved in prostate tumor progression. Also exhibits a dipeptidyl-peptidase IV type activity. In vitro, cleaves Gly-Pro-AMC.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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