Anti-PSMA (3F11) mouse

Catalogue number: 157668
Sub-type: Primary antibody
Images:

Contributor

Inventor:
Institute: Institute of Biotechnology CAS
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-PSMA (3F11) mouse

Alternate name: Glutamate carboxypeptidase II; GCPII; NAALADase; FOLH1; Folate Hydrolase 1; N-Acetylated Alpha-Linked Acidic Dipeptidase 1; Prostate Specific Membrane Antigen; PSMA

Class: Monoclonal
Conjugate: Unconjugated
Description: GCPII reveals glutamate carboxypeptidase activity that is responsible for uptake of folate by intestine, moreover, it participates on regulation of neurotransmission via hydrolysis of the neuropeptide N-acetyl-aspartyl-glutamate in central nervous system. GCPII is expressed in several tissues including prostate epithelium, kidney, small intestine and nervous system. Disregulation of GCPII activity could be connected with hyperhomocysteinemia and various neuro-pathological conditions including glutamate excitotoxicity. GCPII stays as a leading biomarker of prostate cancer due to huge upregulation of its expression in tumor tissue.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1 kappa
Reactivity: Dog ; Human ; Mouse ; Pig ; Rat
Selectivity:
Host: Mouse
Immunogen: human GCPII extracellular domain
Immunogen UNIPROT ID: Q04609
Sequence:
Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: glutamate carboxypeptidase II (amino acids 226-243)

Target alternate names:

Target background: GCPII reveals glutamate carboxypeptidase activity that is responsible for uptake of folate by intestine, moreover, it participates on regulation of neurotransmission via hydrolysis of the neuropeptide N-acetyl-aspartyl-glutamate in central nervous system. GCPII is expressed in several tissues including prostate epithelium, kidney, small intestine and nervous system. Disregulation of GCPII activity could be connected with hyperhomocysteinemia and various neuro-pathological conditions including glutamate excitotoxicity. GCPII stays as a leading biomarker of prostate cancer due to huge upregulation of its expression in tumor tissue.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IHC ; WB
Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Novkov et al. 2017. Prostate. 77(7):749-764. PMID: 28247415.