Mouse anti-Human FOLH1/PSMA Monoclonal Antibody | anti-FOLH1 antibody

FOLH1/PSMA (Prostate Epithelial Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214974	**Mouse**	**Human**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

FOLH1/PSMA; Monoclonal Antibody; FOLH1/PSMA (Prostate Epithelial Marker); Cell growth-inhibiting gene 27 protein (GIG27); Folate hydrolase 1 (FOLH1); Folylpoly-gamma-glutamate carboxypeptidase (FGCP); Glutamate carboxylase II (GCPII); Glutamate carboxypeptidase 2 (GCP2); Glutamate carboxypeptidase II Membrane glutamate carboxypeptidase N-acetylated-alpha-linked acidic dipeptidase I (NAALAD1 or NAALADase); Prostate-specific membrane antigen (PSM or PSMA); Pteroylpoly-gamma-glutamate carboxypeptidase; anti-FOLH1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	SPM500
Specificity	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 and prognostic indicator of prostate cancer.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	750
Applicable Applications for anti-FOLH1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Positive Control	LNCap or HepG2 cells. Prostate Carcinoma.
Immunogen	Recombinant human FOLH1 protein fragment (around aa 232-433) (exact sequence is proprietary)
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	11p11.12
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

WB (Western Blot)
Western Blot Analysis of human LNCaP cell lysate using FOLH1 (PSMA) Mouse Monoclonal Antibody (SPM500).

SDS-PAGE
SDS-PAGE Analysis Purified FOLH1 (PSMA) Mouse Monoclonal Antibody (SPM500). Confirmation of Integrity and Purity of Antibody.

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with FOLH1 (PSMA) Mouse Monoclonal Antibody (SPM500).

ADDITIONAL INFORMATION

References	Israeli, R.S., et al. 1993. Molecular cloning of a complementary DNA encoding a prostate-specific membrane antigen. Cancer Res. 53: 227-230.

NCBI AND UNIPROT INFORMATION

NCBI GI #	548615
NCBI GeneID	2346
UniProt Accession #	Q04609
Molecular Weight	100kDa
NCBI Official Full Name	Glutamate carboxypeptidase 2
NCBI Official Synonym Full Names	folate hydrolase 1
NCBI Official Symbol	FOLH1
NCBI Official Synonym Symbols	PSM; FGCP; FOLH; GCP2; PSMA; mGCP; GCPII; NAALAD1; NAALAdase
NCBI Protein Information	glutamate carboxypeptidase 2
UniProt Protein Name	Glutamate carboxypeptidase 2
UniProt Gene Name	**FOLH1**
UniProt Synonym Gene Names	FOLH; NAALAD1; PSM; PSMA; FGCP; GCPII; mGCP; NAALADase I; PSM; PSMA
UniProt Entry Name	FOLH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/folh1-psma-antibody-clone-spm500-immunohistochemistry-western-blot-elisa/214974