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36-2318: Anti-FOLH1 / PSMA (Prostate Epithelial Marker) Monoclonal Antibody(Clone: SPM500)

Clonality :	Monoclonal
Clone Name :	SPM500
Application :	WB,IHC
Reactivity :	Human
Gene :	FOLH1
Gene ID :	2346
Uniprot ID :	Q04609
Alternative Name :	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
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human FOLH1 protein fragment (around aa 232-433) (exact sequence is proprietary)

Description

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Western Blot (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

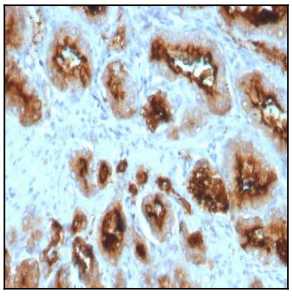

Fig. 1: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with FOLH1 (PSMA) Mouse Monoclonal Antibody (SPM500).

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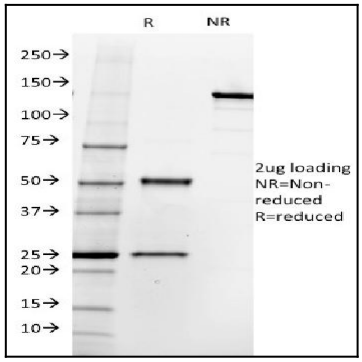

Fig. 2: SDS-PAGE Analysis Purified FOLH1 (PSMA) Mouse Monoclonal Antibody (SPM500). Confirmation of Integrity and Purity of Antibody.

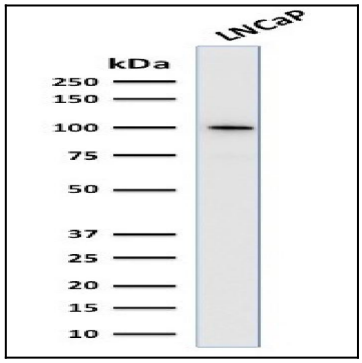

Fig. 3: Western Blot Analysis of human LNCaP cell lysate using FOLH1 (PSMA) Mouse Monoclonal Antibody (SPM500).

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