

Datasheet for ABIN7126432
anti-PSMA antibody (AA 44-177)



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Overview

Quantity:	100 µg
Target:	PSMA (FOLH1)
Binding Specificity:	AA 44-177
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PSMA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	A recombinant fragment (around aa 44-177) of human FOLH1 protein (exact sequence is proprietary)
Isotype:	IgG1
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 diagnostic and prognostic indicator of prostate cancer.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	PSMA (FOLH1)
Alternative Name:	FOLH1 (FOLH1 Products)
Background:	Cell growth-inhibiting gene 27 protein (GIG27), Folate hydrolase 1 (FOLH1), Folylpoly-gamma-glutamate carboxypeptidase (FGCP), Glutamate carboxylase II (GCPII), 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,FOLH1 / PSMA (Prostate Epithelial Marker) Cellular localisation: Cell Surface and Cytoplasmic
Molecular Weight:	100kDa
Gene ID:	2346, 654487
UniProt:	Q04609

Application Details

Application Notes:	Known_Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: LNCap or HepG2 cells. Prostate Carcinoma.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months