

# Datasheet for ABIN2781974 anti-PSMA antibody (C-Term)

# 1 Image



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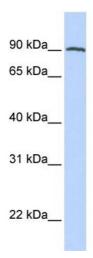
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Quantity:	100 μL	
Target:	PSMA (FOLH1)	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Cow, Rabbit, Zebrafish (Danio rerio)	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This PSMA antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human FOLH1	
Sequence:	FYRHVIYAPS SHNKYAGESF PGIYDALFDI ESKVDPSKAW GEVKRQIYVA	
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 93%	
Characteristics:	This is a rabbit polyclonal antibody against FOLH1. It was validated on Western Blot using a cel lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	PSMA (FOLH1)	

Alternative Name:	FOLH1 (FOLH1 Products)		
Background:	FOLH1 is a type II transmembrane glycoprotein belonging to the M28 peptidase family. The		
	protein acts as a glutamate carboxypeptidase on different alternative substrates, including the		
	nutrient folate and the neuropeptide N-acetyl-l-aspartyl-l-glutamate and is expressed in a		
	number of tissues such as prostate, central and peripheral nervous system and kidney.		
	Expression of this protein in the brain may be involved in a number of pathological conditions		
	associated with glutamate excitotoxicity. A mutation in the gene encoding FOLH1 may be		
	associated with impaired intestinal absorption of dietary folates. It is used as an effective		
	diagnostic and prognostic indicator of prostate cancer. This gene encodes a type II		
	transmembrane glycoprotein belonging to the M28 peptidase family. The protein acts as a		
	glutamate carboxypeptidase on different alternative substrates, including the nutrient folate		
	and the neuropeptide N-acetyl-l-aspartyl-l-glutamate and is expressed in a number of tissues		
	such as prostate, central and peripheral nervous system and kidney. A mutation in this gene		
	may be associated with impaired intestinal absorption of dietary folates, resulting in low blood		
	folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain		
	may be involved in a number of pathological conditions associated with glutamate		
	excitotoxicity. In the prostate the protein is up-regulated in cancerous cells and is used as an		
	effective diagnostic and prognostic indicator of prostate cancer. This gene likely arose from a		
	duplication event of a nearby chromosomal region. Alternative splicing gives rise to multiple		
	transcript variants.		
	Alias Symbols: FGCP, FOLH, GCP2, GCPII, NAALAD1, NAALAdase, PSM, PSMA, mGCP		
	Protein Interaction Partner: Dlg4, RPS3, MTAP, MME,		
	Protein Size: 750		
Molecular Weight:	84 kDa		
Gene ID:	2346		
NCBI Accession:	NM_004476, NP_004467		
UniProt:	Q04609		
Application Details			
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.		
Comment:	Antigen size: 750 AA		
Restrictions:	For Research Use only		

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

### **Images**



#### **Western Blotting**

Image 1. WB Suggested Anti-FOLH1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Placenta