



Rabbit Anti-Human PSMA monoclonal antibody, clone TQ30 (CABT-L1552)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	PSMA
Immunogen	Synthetic peptide derived from C-terminus of human PSMA.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TQ30
Conjugate	Unconjugated
Applications	IHC-P
Positive Control	A suggested positive control is prostate carcinoma.
Format	Liquid
Buffer	Tissue culture supernatant diluted in TBS, pH 7.5, with 1% BSA
Preservative	0.1% Sodium Azide
Storage	4°C, do not freeze

BACKGROUND

Introduction	PSMA (FOLH1) is a type II transmembrane glycoprotein belonging to the M28 peptidase family. Three functionally distinct proteins are encoded, including folylpoly-gamma-glutamate
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carboxypeptidase in the intestine, N-acetylated alpha-linked acidic dipeptidase 1 in the brain, and prostate-specific membrane antigen in the prostate. A mutation in the intestinal form may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. The form expressed in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. The prostate form 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.

GENE INFORMATION

Entrez Gene ID	2346
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UniProt ID	Q04609
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