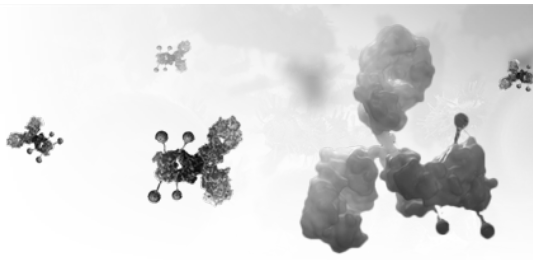

Mouse Anti-Human PSMA monoclonal antibody, clone JID767 (CABT-L3006)

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

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human PSMA
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID767
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Prostate
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Prostate-Specific Membrane Antigen (PSMA), also known as Folate Hydrolase 1(FOLH1), is a type II transmembrane glycoprotein that acts as a prostate-specific integral membrane folate hydrolase and as a carboxypeptidase. PSMA is a useful marker for prostate tumors, both in diagnosis and prognosis. Although considered prostate-specific, PSMA expression has also been noted in the small intestine and in the brain. In the intestine, altered PSMA may be linked with impaired intestinal absorption of dietary folates and hyperhomocysteinemia. In the brain, the PSMA enzyme may be associated with glutamate cytotoxicity and associated pathological conditions. PSMA has been identified as a possible therapeutic target for prostate cancer.
Keywords	Glutamate carboxypeptidase II;GCPII;N-acetyl-L-aspartyl-L-glutamate peptidase I;NAALADase I;NAAG peptidase;Prostate specific membrane antigen;PSMA

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