Datasheet for ABIN7654145

Recombinant anti-PSMA antibody (AA 232-433) (CF®647)

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Overview

Quantity:	100 µL
Target:	PSMA (FOLH1)
Binding Specificity:	AA 232-433
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This PSMA antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	FOLH1 / PSMA (Prostate Epithelial Marker)(FOLH1/3149R), CF647 conjugate
Immunogen:	Recombinant human FOLH1 protein fragment (around aa 232-433)
Clone:	FOLH1-3149R
Isotype:	IgG
Characteristics:	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. Primary

Product Details

	antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	PSMA (FOLH1)
Alternative Name:	FOLH1
Background:	Synonyms: 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 Gene Symbol: FOLH1 Tissue Expression: Prostate
Molecular Weight:	100 kDa
Gene ID:	2346
UniProt:	Q04609

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: LNCap or HepG2 cells. Prostate Carcinoma.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months

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