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Datasheet for ABIN912234

anti-Prominin 2 antibody (AA 301-400) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	Prominin 2 (PROM2)
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prominin 2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Prominin 2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Pig
Purification:	Purified by Protein A.

Target Details

Target:	Prominin 2 (PROM2)
Alternative Name:	Prominin 2 (PROM2 Products)

Target Details

Background:	<p>Synonyms: PROML2, Prominin-2, PROM-2, Prominin-like protein 2, hPROML2, PROM2, UNQ2521/PRO6014</p> <p>Background: Prominin 2 is a 112 kDa glycoprotein structurally related to Prominin 1 (CD133) although amino acid similarity is not more than 30 % , but their genomic organization is strikingly similar. Like Prominin 1, the prominin 2 exhibit similar membrane topology with 5 trans-membrane domains and two large glycosylated extracellular domains. Similar to Prominin1 localization, the Prominin 2 is also associated with membrane protrusions of the epithelial cells from adult kidney, and all along the digestive track and other epithelial tissues.Prominin 2 expression is down-regulated in aggressive prostate cancer cell lines and transient transfection of PROML2 expression vectors has been shown to induce apoptosis in cultured prostate cancer cells, suggesting a tumor suppressive role for Prominin 2. Prominin 2 expression is likely to be involved in growth suppression in the prostate, and down-regulation of Prominin 2 may disrupt normal prostatic homeostasis and lead to uncontrolled prostatic growth.</p>
Gene ID:	150696
UniProt:	Q8N271

Application Details

Application Notes:	<p>FCM 1:20-100</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months