



# Anti-PSMA2 monoclonal antibody, clone FQS6564 (DCABH-229)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to Proteasome 20S alpha 2
<b>Antigen Description</b>	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. PSMA2 may have a potential regulatory effect on another component(s) of the proteasome complex through tyrosine phosphorylation.
<b>Immunogen</b>	Synthetic peptide, corresponding to residues in Human Proteasome 20S alpha 2.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Clone</b>	FQS6564
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, Flow Cyt, ICC/IF
<b>Positive Control</b>	HepG2, 293T, HeLa or JAR cell lysate; Human brain tissue; HeLa cells
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
<b>Preservative</b>	0.1% Sodium Azide

**Storage**

Store at -20°C. Stable for 12 months at -20°C

## GENE INFORMATION

Gene Name	<a href="#">PSMA2 proteasome (prosome, macropain) subunit, alpha type, 2 [ Homo sapiens ]</a>
Official Symbol	PSMA2
Synonyms	PSMA2; proteasome (prosome, macropain) subunit, alpha type, 2; proteasome subunit alpha type-2; HC3; MU; PMSA2; macropain subunit C3; proteasome subunit HC3; proteasome component C3; multicatalytic endopeptidase complex subunit C3; PSC2;
Entrez Gene ID	<a href="#">5683</a>
Protein Refseq	<a href="#">NP_002778</a>
UniProt ID	<a href="#">A0A024RA52</a>
Chromosome Location	7p13
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem; Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem;
Function	peptidase activity; protein binding; threonine-type endopeptidase activity;