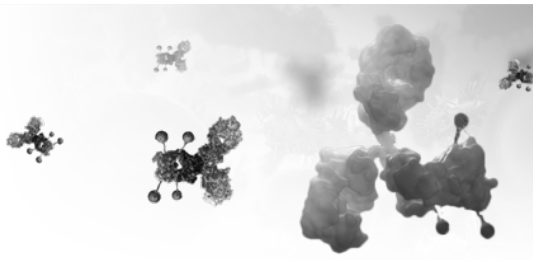

Anti-PSMB9 monoclonal antibody, clone FQS24896 (DCABH-7776)

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

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Proteasome 20S LMP2
Antigen Description	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. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues.
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Proteasome 20S LMP2 aa 200 to the C-terminus. The exact sequence is proprietary.Database link: P28065
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS24896
Conjugate	Unconjugated
Applications	WB, ICC/IF, Flow Cyt
Positive Control	Ramos, A431 and Raji cell lysates; HL60 cells.
Format	Liquid
Size	100 µl

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Buffer	Preservative: 0.01% Sodium azide; Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	PSMB9 proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) [Homo sapiens]
Official Symbol	PSMB9
Synonyms	PSMB9; proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2); LMP2, proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2); proteasome subunit beta type-9; beta1i; PSMB6i; RING12; macr
Entrez Gene ID	5698
Protein Refseq	NP_002791
UniProt ID	P28065
Chromosome Location	6p21.3
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;

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