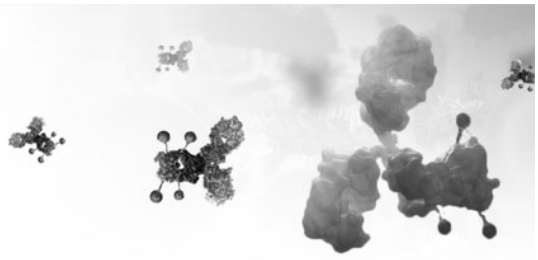

Anti-PSMA3 monoclonal antibody (DCABH-13081)

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

PRODUCT INFORMATION

Antigen Description	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. Two alternative transcripts encoding different isoforms have been identified.
Immunogen	A synthetic peptide of human PSMA3 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	PSMA3 proteasome (prosome, macropain) subunit, alpha type, 3 [Homo sapiens]
Official Symbol	PSMA3
Synonyms	PSMA3; proteasome (prosome, macropain) subunit, alpha type, 3; proteasome subunit alpha type-3; HC8; macropain subunit C8; proteasome subunit C8; proteasome component C8; multicatalytic endopeptidase complex subunit C8; PSC3; MGC12306; MGC32631;
Entrez Gene ID	5684
Protein Refseq	NP_002779
UniProt ID	P25788
Chromosome Location	14q23
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-kapp
Function	peptidase activity; protein binding; threonine-type endopeptidase activity;

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