



Anti-PSMA1 monoclonal antibody, clone FQS6563 (DCABH-230)

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

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Proteasome 20S C2
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. Mediates the lipopolysaccharide-induced signal transduction in the macrophage proteasome (By similarity). Might be involved in the anti-inflammatory response of macrophages during the interaction with C.albicans heat-inactivated cells.
Immunogen	Synthetic peptide corresponding to a region within the C-terminal end of Human Proteasome 20S C2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Clone	FQS6563
Conjugate	Unconjugated
Applications	WB, IP, IHC-P, ICC, Flow Cyt
Positive Control	Jurkat, HeLa, HepG2 and PC3 cell lysates; Human medullary carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%

Preservative	0.1% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	PSMA1 proteasome (prosome, macropain) subunit, alpha type, 1 [Homo sapiens]
Official Symbol	PSMA1
Synonyms	PSMA1; proteasome (prosome, macropain) subunit, alpha type, 1; proteasome subunit alpha type-1; HC2; MGC1667; MGC14542; MGC14575; MGC14751; MGC21459; MGC22853; MGC23915; NU; PROS30; PROS-30; protein P30-33K; proteasome nu chain; macropain subunit C2; macr
Entrez Gene ID	5682
Protein Refseq	NP_001137409
UniProt ID	B4E0X6
Chromosome Location	11p15.1
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	RNA binding; peptidase activity; protein binding; threonine-type endopeptidase activity;