



PSMD3 Monoclonal Antibody

Catalog No	BYmab-02770
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PSMD3
Protein Name	26S proteasome non-ATPase regulatory subunit 3
Immunogen	The antiserum was produced against synthesized peptide derived from human PSMD3. AA range:351-400
Specificity	PSMD3 Monoclonal Antibody detects endogenous levels of PSMD3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PSMD3; 26S proteasome non-ATPase regulatory subunit 3; 26S proteasome regulatory subunit RPN3; 26S proteasome regulatory subunit S3; Proteasome subunit p58
Observed Band	61kD
Cell Pathway	proteasome complex,nucleus,nucleoplasm,cytoplasm,cytosol,proteasome regulatory particle, lid subcomplex,membrane,proteasome accessory complex,extracellular exosome,
Tissue Specificity	Eye,Hepatoblastoma,Kidney,Lung,Pancreas,Skin,
Function	function:Acts as a regulatory subunit of the 26 proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins.,similarity:Belongs to the proteasome subunit S3 family.,similarity:Contains 1 PCI domain.,subunit:The 26S proteasome is composed of a core protease, known as the 20S proteasome, capped at one or both ends by the 19S regulatory complex (RC). The RC is composed of at least 18 different subunits in two subcomplexes, the base and the lid, which form the portions proximal and distal to the 20S proteolytic core, respectively.,

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**Background**

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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. This gene encodes a member of the proteasome subunit S3 family that functions as one of the non-ATPase subunits of the 19S regulator lid. Single nucleotide polymorphisms in this gene are associated with neutrophil count. [provided by RefSeq, Jul 2012],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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