

ARG57083 anti-PSMD11 antibody [2C7]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2C7] recognizes PSMD11
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	2C7
Isotype	IgG2b, kappa
Target Name	PSMD11
Species	Human
Immunogen	Recombinant fragment around aa. 1-422 of Human PSMD11.
Conjugation	Un-conjugated
Alternate Names	S9; 26S proteasome non-ATPase regulatory subunit 11; Rpn6; p44.5; 26S proteasome regulatory subunit S9; 26S proteasome regulatory subunit RPN6; 26S proteasome regulatory subunit p44.5

Application Instructions

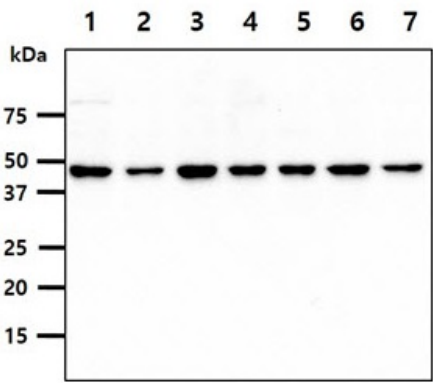
Application table	Application	Dilution
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Database links	GeneID: 5717 Human Swiss-port # O00231 Human
Gene Symbol	PSMD11
Gene Full Name	proteasome 26S subunit, non-ATPase 11
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 S9 family that functions as a non-ATPase subunit of the 19S regulator and is phosphorylated by AMP-activated protein kinase. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]
Function	Component of the lid subcomplex of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. In the complex, PSMD11 is required for proteasome assembly. Plays a key role in increased proteasome activity in embryonic stem cells (ESCs): its high expression in ESCs promotes enhanced assembly of the 26S proteasome, followed by higher proteasome activity. [UniProt]
Calculated Mw	47 kDa
PTM	Phosphorylated by AMPK.

Images



ARG57083 anti-PSMD11 antibody [2C7] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) 293T cell lysate, 3) U87-MG cell lysate, 4) NIH-3T3 cell lysate, 5) PC3 cell lysate, 6) TF1 cell lysate, 7) MCF7 cell lysate stained with ARG57083 anti-PSMD11 antibody [2C7] at 1:1000.