

## ARG56225 anti-PSMD13 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PSMD13
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Chk
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSMD13
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 269-298 (C-terminal) of HHuman PSMD13.
Conjugation	Un-conjugated
Alternate Names	26S proteasome regulatory subunit RPN9; HSPC027; 26S proteasome non-ATPase regulatory subunit 13; Rpn9; S11; 26S proteasome regulatory subunit S11; 26S proteasome regulatory subunit p40.5; p40.5

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Y79	

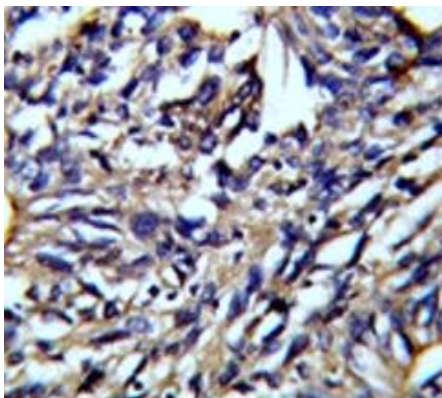
### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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.

## Bioinformation

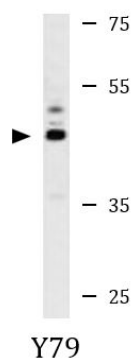
Database links	<a href="#">GeneID: 5719 Human</a> <a href="#">Swiss-port # Q9UNM6 Human</a>
Gene Symbol	PSMD13
Gene Full Name	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13
Background	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Function	Acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins. [UniProt]
Calculated Mw	43 kDa

## Images



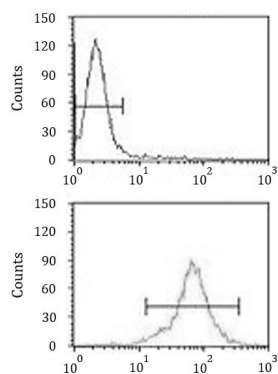
ARG56225 anti-PSMD13 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lung carcinoma tissue stained with ARG56225 anti-PSMD13 antibody.



ARG56225 anti-PSMD13 antibody WB image

Western blot: 35 µg of Y79 cell lysate stained with ARG56225 anti-PSMD13 antibody.



#### ARG56225 anti-PSMD13 antibody FACS image

Flow Cytometry: 293 cells stained with ARG56225 anti-PSMD13 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.