



Rabbit Anti-PSMD12 antibody

SL13775R

Product Name:	PSMD12
Chinese Name:	26S蛋白酶调节亚型p55抗体
Alias:	26S Proteasome regulatory subunit p55; 26S proteasome non-ATPase regulatory subunit 12; 26S proteasome regulatory subunit p55; 26S proteasome regulatory subunit RPN5; MGC75406; p55; proteasome (prosome, macropain) 26S subunit, non ATPase12; Proteasome 26S non ATPase subunit 12 isoform 2; PSD12_HUMAN; PSMD12; Rpn5.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	The nucleuscytoplasmicExtracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PSMD12:101-200/1050
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	In eukaryotic cells, selective breakdown of cellular proteins is ensured by their ubiquitination and subsequent degradation by the 26S Proteasome. The 26S Proteasome is a protease complex that selectively breaks down proteins that have been modified by

polyubiquitin chains. It is made up of two multisubunit complexes: the 20S Proteasome chamber, which serves as the proteolytic core of the complex and two 19S regulatory particles which recognize and unfold ubiquitinated proteins. PSMD12 (prosome, macropain) 26S subunit, non-ATPase, 12), also known as p55 or Rpn5, is a 456 amino acid protein belonging to the proteasome subunit p55 family. PSMD12 acts as a regulatory subunit of the 26S proteasome and is a component of the PA700 complex. PSMD12 contains one PCI domain.

Function:

Acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins.

Similarity:

Belongs to the proteasome subunit p55 family.
Contains 1 PCI domain.

SWISS:

O00232

Gene ID:

5718

Database links:

[Entrez Gene: 5718](#) Human

[Entrez Gene: 66997](#) Mouse

[Entrez Gene: 287772](#) Rat

[Omim: 604450](#) Human

[SwissProt: O00232](#) Human

[SwissProt: Q9D8W5](#) Mouse

[Unigene: 592689](#) Human

[Unigene: 21667](#) Mouse

[Unigene: 15873](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

