



Rabbit Anti-Proteasome 26S S2 antibody

SL9363R

Product Name:	Proteasome 26S S2
Chinese Name:	Tumour坏死因子受体相关蛋白2抗体
Alias:	26S proteasome non-ATPase regulatory subunit 2; 26S proteasome regulatory subunit RPN1; 26S proteasome regulatory subunit S2; 26S proteasome subunit p97; 55.11 protein; MGC14274; P97 antibody Proteasome (prosome macropain) 26S subunit non ATPase 2; Protein 55.11; Psm2; PSMD2_HUMAN; Rpn1; S2 antibody TNFR associated protein 2; TRAP2; Tumor necrosis factor receptor associated protein 2; Tumor necrosis factor type 1 receptor-associated protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	100kDa
Cellular localization:	The nucleuscytoplasmicExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Proteasome 26S S2/TRAP2:501-600/908
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:	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 one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]

Function:

Acts as a regulatory subunit of the 26 proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins.
Binds to the intracellular domain of tumor necrosis factor type 1 receptor. The binding domain of TRAP1 and TRAP2 resides outside the death domain of TNFR1.

Tissue Specificity:

Found in skeletal muscle, liver, heart, brain, kidney, pancreas, lung and placenta.

Similarity:

Belongs to the proteasome subunit S2 family.
Contains 7 PC repeats.

SWISS:

Q13200

Gene ID:

5708

Database links:

[Entrez Gene: 5708](#)Human

[Entrez Gene: 21762](#)Mouse

[Entrez Gene: 287984](#)Rat

[Omim: 606223](#)Human

[SwissProt: Q13200](#)Human

[SwissProt: Q8VDM4](#)Mouse

[SwissProt: Q4FZT9](#)Rat

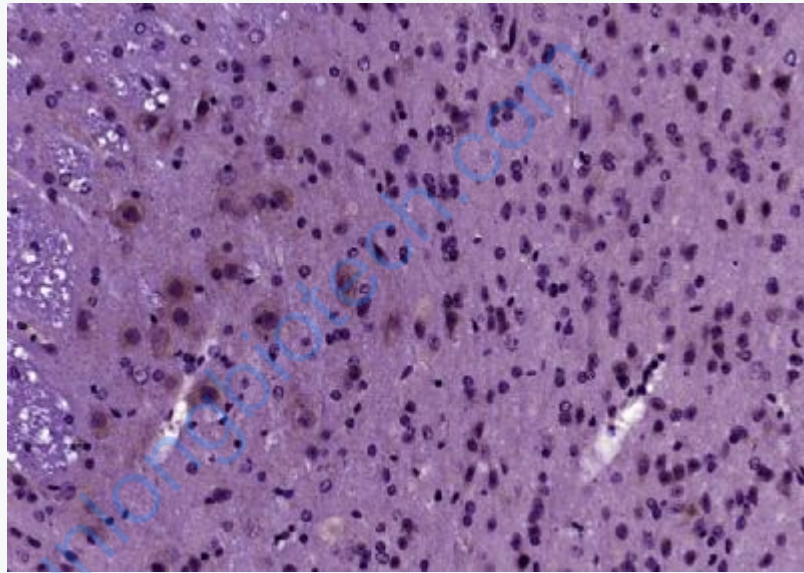
[Unigene: 518464](#)Human

[Unigene: 243234](#)Mouse

[Unigene: 29909](#)Rat

Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Proteasome 26S S2) Polyclonal Antibody, Unconjugated (SL9363R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.