

Product datasheet for **TA357306**

Psmd10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Mouse
Specificity:	Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish Homology: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	25kDa
Gene Name:	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10
Database Link:	NP_058579 Entrez Gene 53380 Mouse Q9Z2X2



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Background:

Psm10 acts as a chaperone during the assembly of the 26S proteasome, specifically of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly, Psm10 is part of an intermediate PSMD10:PSMC4:PSMC5:PAAF1 module which probably assembles with a PSMD5:PSMC2:PSMC1:PSMD2 module. By similarity, Psm10 acts as an oncoprotein by being involved in negative regulation of tumor suppressors RB1 and p53/TP53. Overexpression of this gene is leading to phosphorylation of RB1 and proteasomal degradation of RB1. Psm10 regulates CDK4-mediated phosphorylation of RB1 by competing with CDKN2A for binding with CDK4.

Synonyms:

dj889N15.2; gankyrin; p28

Product images:

WB Suggested Anti-Psm10 Antibody
Titration: 1.0 ug/ml
Positive Control: Mouse Liver