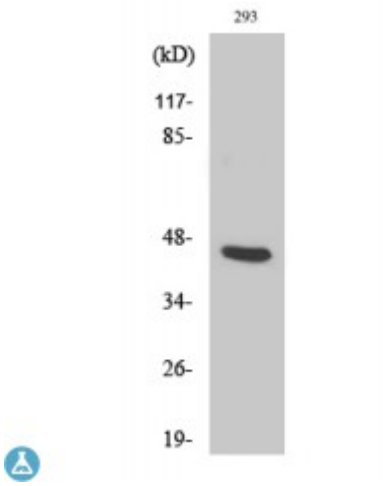
Anti-PSMD11 antibody



Description	Rabbit polyclonal to PSMD11.

Model	STJ95251
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human PSMD11
Immunogen Region	240-320 aa, Internal
Gene ID	5717
Gene Symbol	PSMD11
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	PSMD11 Polyclonal Antibody detects endogenous levels of PSMD11 protein.
Tissue Specificity	Highly expressed in embryonic stem cells (ESCs). Expression decreases as ESCs differentiate.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	26S proteasome non-ATPase regulatory subunit 11 26S proteasome regulatory subunit RPN6 26S proteasome regulatory subunit S9 26S proteasome regulatory subunit p44.5
Molecular Weight	42 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9556OMIM:604449
Alternative Names	26S proteasome non-ATPase regulatory subunit 11 26S proteasome regulatory subunit RPN6 26S proteasome regulatory subunit S9 26S proteasome regulatory subunit p44.5
Function	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. 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.
Cellular Localization	Nucleus Cytoplasm, cytosol
Post-translational Modifications	Phosphorylated by AMPK.