

PSMD2 (D6W7G) Rabbit mAb



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Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 97	Source/Isotype: Rabbit IgG	UniProt ID: #Q13200	Entrez-Gene Id 5708
	Application Western Blotting			Dilution 1:1000	
	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
sitivity	PSMD2 (D6W7G) Rabbit mAb recognizes endogenous levels of total PSMD2 protein.				
cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding residues surrounding Lys350 of human PSMD2 protein.				orresponding to
	The 26S proteasome is a highly abundant proteolytic complex involved in the degradation ubiquitinated substrate proteins. It consists largely of two sub-complexes, the 20S catalytic particle (CP) and the 19S/PA700 regulatory particle (RP) that can cap either end of the CP. T consists of two stacked heteroheptameric β -rings (β_{1-7}) that contain three catalytic β -subul flanked on either side by two heteroheptameric α -rings (α_{1-7}). The RP includes a base and a having multiple subunits. The base, in part, is composed of a heterohexameric ring of ATPs belonging to the AAA (ATPases Associated with diverse cellular Activities) family. The ATPase function to unfold the substrate and open the gate formed by the α -subunits, thus exposir unfolded substrate to the catalytic β -subunits. The lid consists of ubiquitin receptors and Ω function in recruitment of ubiquitinated substrates and modification of ubiquitin chain top Other modulators of proteasome activity, such as PA28/11S REG, can also bind to the end and activate it (1,2). Regulatory particle non-ATPase 1 (RPN1, PSMD2) is a subunit of the 19S/PA700 regulatory subcomplex. The PSMD2 protein acts as part of the scaffold for assembly of the 19S/PA700 subcomplex. (3). Research studies demonstrate that PSMD2 binds the intracellular domain receptor, indicating that the 26S proteasome may play a role in the TNF signaling pathway expression correlates with poor prognosis in lung cancer patients, and induced inhibition results in decreased proteasome activity and increased apoptosis in lung cancer cells (6).				
	unfolded substrate to function in recruitment Other modulators of and activate it (1,2). Regulatory particle no subcomplex. The PSN subcomplex (3). Reserceptor, indicating the expression correlates	e substrate and ope the catalytic β-sub nt of ubiquitinated proteasome activity on-ATPase 1 (RPN1, MD2 protein acts as arch studies demon at the 26S proteasc with poor prognos	n the gate formed by thunits. The lid consists of substrates and modifica, such as PA28/11S REG, PSMD2) is a subunit of to part of the scaffold for a strate that PSMD2 binds one may play a role in the in lung cancer patient	e a-subunits, thus e ubiquitin receptors tion of ubiquitin ch- can also bind to th he 19S/PA700 regu ssembly of the 19S s the intracellular do he TNF signaling pa s, and induced inhil	exposing the sand DUBs that ain topology (1,2). e end of the 20S CP latory particle base /PA700 RP base omain of type I TNF thway (4,5). PSMD2 bition of PSMD2
1		Application Western Blotting Supplied in 10 mM sc 0.02% sodium azide. PSMD2 (D6W7G) Rab Monoclonal antibody residues surrounding The 26S proteasome ubiquitinated substra particle (CP) and the consists of two stacke flanked on either side having multiple subu	Application Western Blotting Supplied in 10 mM sodium HEPES (pH 7.5 0.02% sodium azide. Store at -20°C. Do noticitivity PSMD2 (D6W7G) Rabbit mAb recognizes Monoclonal antibody is produced by immoresidues surrounding Lys350 of human P The 26S proteasome is a highly abundan ubiquitinated substrate proteins. It consi particle (CP) and the 19S/PA700 regulaton consists of two stacked heteroheptameri flanked on either side by two heterohept having multiple subunits. The base, in pa	Application Western Blotting Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. PSMD2 (D6W7G) Rabbit mAb recognizes endogenous levels of to Monoclonal antibody is produced by immunizing animals with a residues surrounding Lys350 of human PSMD2 protein. The 26S proteasome is a highly abundant proteolytic complex in ubiquitinated substrate proteins. It consists largely of two sub-coparticle (CP) and the 19S/PA700 regulatory particle (RP) that cand consists of two stacked heteroheptameric β-rings (β ₁₋₇) that cont flanked on either side by two heteroheptameric α-rings (α ₁₋₇). The having multiple subunits. The base, in part, is composed of a heterometer.	Application Western Blotting Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glyce 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. PSMD2 (D6W7G) Rabbit mAb recognizes endogenous levels of total PSMD2 protein. Monoclonal antibody is produced by immunizing animals with a synthetic peptide coresidues surrounding Lys350 of human PSMD2 protein. The 26S proteasome is a highly abundant proteolytic complex involved in the degral ubiquitinated substrate proteins. It consists largely of two sub-complexes, the 20S comparticle (CP) and the 19S/PA700 regulatory particle (RP) that can cap either end of the consists of two stacked heteroheptameric β-rings (β ₁₋₇) that contain three catalytic β flanked on either side by two heteroheptameric α-rings (α ₁₋₇). The RP includes a bas having multiple subunits. The base, in part, is composed of a heterohexameric ring

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat

dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Western Blot Buffer

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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