e at -20C	PA28α (D1C10) Rabbit mAb	T E	Cell Signaling		
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Eor Research Lise Only	/ Not for Lise in	Diagnostic Procedures.
FUI RESEAICII USE UIII	. NULIULUSE III	Diagnostic Procedures.

Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 28	Source/Isotype: Rabbit IgG	UniProt ID: #Q06323	Entrez-Gene Id: 5720		
Product Usage Information	We	plication estern Blotting munoprecipitation			Dilution 1:1000 1:100			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitiv		PA28 α recognizes endogenous levels of total PA28 α protein. This antibody does not cross-react with either PA28 β /PSME2 or PA28 γ /PSME3.						
Species predicted to react based on 100% sequence homology	б	ine, Dog, Pig						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human PA28 α protein.						
Background	PA7 prot (PS bind part fore PA2	00, PA28, and PA20 easome. There are ME2), and PA28y (F ling to the 20S comp icipates in MHC class ign proteins (2). PA2	00 are three majo three evolutionar 2SME3) (1,2). PA blex at its openin as I antigen prese 28y exists in the ts function by bir	olytic enzyme complex ir or protein complexes that ily conserved subunits of 28α and PA28β form a g site(s). The PA28α/β of entation by promoting the form of a homoheptame iding and guiding specifi	at function as activators of PA28: PA28α (PSME heteroheptameric com complex is present thro he generation of antige or and is mainly located	s of the 20S E1), PA28β plex and function by oughout the cell and nic peptides from I in the nucleus. The		
Background Referer	2. R 3. Z	ahlmann, B. (2005) echsteiner, M. and H hou, P. (2006) <i>Cell</i> 1 , X. et al. (2006) <i>Ce</i>	Hill, C.P. (2005) 7 124, 256-257.	n. 41, 31-48. Trends Cell Biol. 15, 27-3	33.			
Species Reactivity	Spec	ies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).		
Western Blot Buffer			ern blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry een® 20 at 4°C with gentle shaking, overnight.					
Applications Key		WB: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity Ke	- X: Xe	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 						
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