e at -20C	HRS (D7T5N) Rabbit mAb		ell Signaling снмогоду [®]
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit IgG	UniProt ID: #O14964	Entrez-Gene Id: 9146
Product Usage Information	We	olication stern Blotting nunoprecipitation nunofluorescence (I	mmunocytochen	nistry)		Dilution 1:1000 1:100 1:400
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		cerol and less than
Specificity / Sensitiv	ity HRS	6 (D7T5N) Rabbit m	Ab recognizes ei	ndogenous levels of tota	al HRS protein.	
Species predicted to react based on 1009 sequence homology	6	ne, Dog				
Source / Purification		oclonal antibody is lues near the carbo		nunizing animals with a uman HRS protein.	synthetic peptide cori	responding to
Background	multi kina: cont phos targe moti of th degr	idomain-containing ses (1). HRS contain aining proteins (1). I sphatidylinositol 3-pl et it to membranes of f (UIM) that binds uf e ESCRT-0 complet adation in the lysos	protein that is tyn ns a proline-rich Research studies hosphate-binding of the endosomal oiquitinated mem x, facilitates thein ome (5-8). Rese	sine kinase substrate (H rosine phosphorylated u region, which may med s have also demonstrate g FYVE-type zinc finger I compartment (2-4). HF abrane proteins and, in o sorting through the end arch studies demonstra trafficking and degradat	pon activation of mul- iate interactions with ed that HRS possesse domain and a coiled- RS also possesses a to conjunction with Eps1 dosomal compartmen te that phosphorylation	tiple receptor tyrosine SH3 domain- es a coil domain that ubiquitin-interacting 5 and STAM proteins t for eventual
Background Refere	2. He 3. Ra 4. Ko 5. Ra 6. Hi 7. Ba 8. Ur 9. St	pmada, M. and Kitar e, J. et al. (2009) <i>Pr</i> aiborg, C. et al. (200 pmada, M. et al. (19 aiborg, C. et al. (200 rano, S. et al. (200 ache, K.G. et al. (200 bé, S. et al. (2003) ern, K.A. et al. (2015) <i>E</i>	oteins 76, 852-6 01) J Cell Sci 112 97) J Biol Chem 02) Nat Cell Biol 6) Nat Struct Mol 03) J Biol Chem J Cell Sci 116, 4 7) Mol Cell Biol 2	4, 2255-63. 272, 20538-44. 4, 394-8. <i>Biol</i> 13, 272-7. 278, 12513-21. 169-79. 27, 888-98.	1.	
Species Reactivity	Speci	ies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., w	vestern blot).
Western Blot Buffer			,	membrane with diluted th gentle shaking, overr	, , ,	5% w/v nonfat dry
Applications Key Cross-Reactivity Ke		Western Blotting IP	: Immunoprecipi	tation IF-IC: Immunoflu	orescence (Immunoc	ytochemistry)

1/1/24, 3:26 PM	HRS (D7T5N) Rabbit mAb (#15087) Datasheet Without Images Cell Signaling Technology				
	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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