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3505

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Asymmetric-Methyl-PABP1 (Arg455/Arg460) (C60A10) Rabbit

Applications: WB, IP, IHC-P, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 71	Source/Isotype: Rabbit IgG	UniProt ID: #P11940	Entrez-Gene Id: 26986	
Product Usage Information	W In In	pplication /estern Blotting nmunoprecipitation nmunohistochemistry (,	sicto à		Dilution 1:1000 1:25 1:1000 1:400	
Storage	Su	Immunofluorescence (Immunocytochemistry) 1:400 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 / Sensit		Methyl-PABP1 (Arg455/Arg460) (C60A10) Rabbit mAb detects endogenous levels of PABP1 only when methylated on Arg455 or Arg460.					
Species predicted react based on 100 sequence homolog	0%	nicken, Horse					
Source / Purificatio				uunizing animals with a s 455 and Arg460 are met		esponding to the	
Background	is a RN of sh (3, be Arg	a complex whose func NA helicase to the 5' re the mRNA via interacti own to have multiple fu (4). Phosphorylation of the shown to shuttle be	tions include the gion (eIF4A), br on between eIF unctions includir PABP has beer tween the nucle	iates with the 3' poly(A) e recognition of the mRN idging of the mRNA and 4G and the poly(A) bind ng translation initiation, n a shown to enhance RNA sus and cytoplasm (5,6). nsferase (7,8); however,	A 5' cap structure (el the ribosome (elF4G ing protein (PABP). P nRNA stabilization, ar A binding in eukaryote PABP1 is methylated	F4E), delivery of an), and circularization ABP1 has been nd mRNA turnover es, and PABP1 has I on Arg455 and	
Background Refer	2. 3. 4. 5. 6. 7.	Sachs, A.B. and Davis Le, H. et al. (2000) <i>J. E</i> Afonina, E. et al. (1998 Lee, J. and Bedford, M	EMBO J. 17, 58 ker, R. (1995) G , R.W. (1989) G Biol. Chem. 275, B) J. Biol. Chem. I.T. (2002) EMB	11-5821. Genes Dev. 9, 2421-2432 ell 58, 857-867. 17452-17462. 273, 13015-13021.	2.		
Species Reactivity	, Spe	ecies reactivity is deter	mined by testing	j in at least one approve	d application (e.g., w	estern blot).	
Western Blot Buffe		PORTANT: For western % Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 5 ⁰	% w/v BSA, 1X TBS,	
Applications Key		B: Western Blotting IP: IC: Immunofluorescen		tation IHC-P: Immunohis chemistry)	stochemistry (Paraffin)	
Cross-Reactivity K	ley						

1/1/24, 10:44 AM	 Asymmetric-Methyl-PABP1 (Arg455/Arg460) (C60A10) Rabbit mAb (#3505) Datasheet Without Images Cel 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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