

#4422 Store at -20C

Paip2A Antibody


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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	H M R Mk	Endogenous	25	Rabbit	#Q9BPZ3	51247
Product Usage Information	Application					Dilution
	Western Blotting					1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity	Paip2A Antibody detects endogenous levels of total Paip2A protein.					
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to human Paip2A. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	The eukaryotic mRNA 3' poly(A) tail interacts with the 5' cap structure to regulate translation of mRNA transcripts (1). The eIF4G translation initiation factor associates with poly(A) binding protein (PABP) to circularize mRNA (1,2). Paip1 is a PABP interacting protein that binds eIF4A to stimulate translation (3). A second PABP binding protein, Paip2, inhibits translation by interfering with PABP function. Specifically, Paip2 reduces the affinity of PABP for poly(A) RNA and competes with Paip1 for PABP binding (1,2).					
Background References	1. Khaleghpour, K. et al. (2001) <i>Mol Cell</i> 7, 205-16. 2. Yoshida, M. et al. (2006) <i>EMBO J</i> 25, 1934-44. 3. Craig, A.W. et al. (1998) <i>Nature</i> 392, 520-3.					

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
Cross-Reactivity Key	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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