

hnRNP A0 Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP, IF-IC	H M R Mk	Endogenous	32, 34	Rabbit	#Q13151	10949
Product Usage Information	Application					Dilution
	Western Blotting					1:1000
	Immunoprecipitation					1:100
	Immunofluorescence (Immunocytochemistry)					1:100
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	hnRNP A0 Antibody detects endogenous levels of total hnRNP A0 protein. This antibody cross-reacts with hnRNP A2/B1 protein.					
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly112 of human hnRNP A0 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	Heterogeneous nuclear ribonucleoprotein A0 (hnRNP A0) is a member of the hnRNP A/B family of related RNA binding proteins that bind pre-mRNA and are involved in the processing, metabolism, and transport of nuclear pre-mRNA transcripts (1). The A/B subfamily of hnRNP includes A1, A2/B1, A3, and A0. hnRNP A0 is phosphorylated at Ser84 by MAPKAPK-2 in response to LPS treatment in mouse macrophage cells, which might play a key role in stimulating translation of the TNF-α message (2).					
Background References	1. Myer, V.E. and Steitz, J.A. (1995) <i>RNA</i> 1, 171-82. 2. Rousseau, S. et al. (2002) <i>EMBO J</i> 21, 6505-14.					

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	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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