

#5545 Store at -20°C

hnRNP A0 (D8A3) XP® Rabbit mAb


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TECHNOLOGY®

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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:
WB, IP, IF-IC, FC-FP	H M R Mk	Endogenous	32, 34	Rabbit IgG	#Q13151	10949

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	1:50
	Immunofluorescence (Immunocytochemistry)	1:400
	Flow Cytometry (Fixed/Permeabilized)	1:50
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 / Sensitivity	hnRNP A0 (D8A3) XP® Rabbit mAb recognizes endogenous levels of total hnRNP A0 protein. This antibody does not cross-react with other hnRNP family members.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu114 of human hnRNP A0 protein.	
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	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)
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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