

#2066 Store at -20°C

MRPL11 (D68F2) 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, IHC-P, IF-IC	H M R Mk	Endogenous	21	Rabbit IgG	#Q9Y3B7	65003

Product Usage Information	Application Western Blotting Immunoprecipitation Immunohistochemistry (Paraffin) Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:50 1:100 1:100
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	MRPL11 (D68F2) XP® Rabbit mAb detects endogenous levels of total MRPL11 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the sequence of human MRPL11.	
Background	A subset of mitochondrial proteins are synthesized on the ribosomes within mitochondria (1). The 55S mammalian mitochondrial ribosomes are composed of a 28S small subunit and a 39S large subunit (1). Over 40 protein components have been identified from the large subunit of the human mitochondrial ribosome (1). The mitochondrial ribosomal protein L11 (MRPL11) is one such component (1). In animals, plants and fungi, this protein is translated from a gene in the nuclear genome (2).	
Background References	1. Koc, E.C. et al. (2001) <i>J Biol Chem</i> 276, 43958-69. 2. Handa, H. et al. (2001) <i>Mol Genet Genomics</i> 265, 569-75.	

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 IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)
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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