

**#2199** Store at -20°C

# MRPL11 Antibody


**Cell Signaling**  
TECHNOLOGY®

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H Mk	Endogenous	21	Rabbit	#Q9Y3B7	65003

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	1:50
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	MRPL11 Antibody detects endogenous levels of total MRPL11 protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human MRPL11. Antibodies are purified by peptide affinity chromatography.	
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	<b>WB:</b> Western Blotting <b>IP:</b> Immunoprecipitation
Cross-Reactivity Key	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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