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#2066

MRPL11 (D68F2) XP[®] Rabbit mAb

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

Applications: W, IP, IHC-P, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 21	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y3B7	Entrez-Gene Id: 65003
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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) *J Biol Chem* 276, 43958-69.
2. Handa, H. et al. (2001) *Mol Genet Genomics* 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

W: Western Blotting **IP:** Immunoprecipitation **IHC-P:** Immunohistochemistry (Paraffin) **IF-IC:** Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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