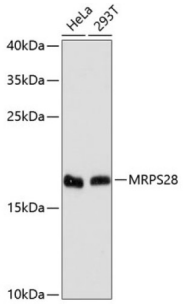
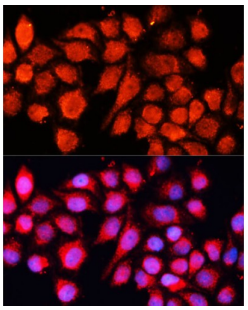
Mitochondrial Ribosomal Protein S28 (MRPS28) Antibody

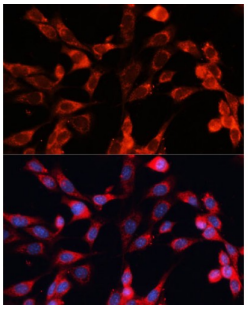
Catalogue No.:abx003513



Western blot analysis of extracts of various cell lines using MRPS28 Antibody (1/3000 dilution).



Immunofluorescence analysis of HeLa cells using MRPS28 Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using MRPS28 Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

MRPS28 Antibody is a Rabbit Polyclonal antibody against MRPS28. Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that has been called mitochondrial ribosomal protein S35 in the literature.

Target:	Mitochondrial Ribosomal Protein S28 (MRPS28)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	WB, IF/ICC

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Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/1000, IF/ICC: 1/20 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human MRPS28
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q9Y2Q9 (UniProt, ExPASy)
Gene Symbol:	MRPS28
GeneID:	28957
NCBI Accession:	NP_054737.1
String:	9606.ENSP00000276585
Molecular Weight:	Calculated MW: 20 kDa Observed MW: 21 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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