

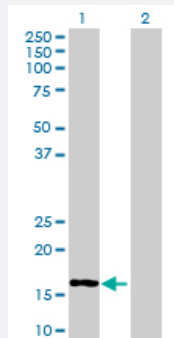
MaxPab®

MRPL50 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00054534-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of MRPL50 expression in transfected 293T cell line ([H00054534-T01](#)) by MRPL50 MaxPab polyclonal antibody.

Lane 1: MRPL50 transfected lysate(17.38 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human MRPL50 protein.
Immunogen	MRPL50 (NP_061924, 1 a.a. ~ 158 a.a) full-length human protein.
Sequence	MAARSVSGITRRVFMWTVSGTPCREFWSRFRKEKEPVVETVEEKKEPILVCPPLRSRAYTPPE DLQSRLESYVKEVFGSSLPSNWQDISLEDSRLKFNLLAHLADDLGHVVPNSRLHQMCRVRDVLD FYNVPIQDRSKFDELSASNLPNLKITWSY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (76)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MRPL50 expression in transfected 293T cell line ([H00054534-T01](#)) by MRPL50 MaxPab polyclonal antibody.

Lane 1: MRPL50 transfected lysate(17.38 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — MRPL50

Entrez GeneID [54534](#)

GeneBank Accession# [NM_019051](#)

Protein Accession# [NP_061924](#)

Gene Name MRPL50

Gene Alias FLJ20493, FLJ21990, MRP-L50

Gene Description mitochondrial ribosomal protein L50

Gene Ontology [Hyperlink](#)

Gene Summary

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28 S 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 putative 39S subunit protein and belongs to the L47P ribosomal protein family. Pseudogenes corresponding to this gene are found on chromosomes 2p, 2q, 5p, and 10q. [provided by RefSeq]

Other Designations OTTHUMP00000021811|mitochondrial 39S ribosomal protein L50