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MRPS12 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00006183-B01

規格 : [50 uL]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human MRPS12 protein.

Immunogen: MRPS12 (NP_066930, 1 a.a. ~ 138 a.a) full-length human protein.

Sequence: MSWSGLLHGLNTSLTCGPALVPRLWATCSMATLNQMHR LGPPKRPPR
KLGPTTEGRPQLKGVLCFTFTRKPKKPNANRKC CRVRLSTGREAVCFIP
GEGHTLQEHQIVLVEGGRTQDLPGVKLTWVRGKYDCGHVQKK

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: No additive

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

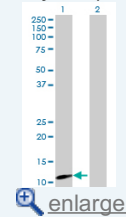
Note: For IHC and IF applications, antibody purification with Protein A will be needed prior to use.


MSDS:  [Download](#)

Datasheet:  [Download](#)

Application Image

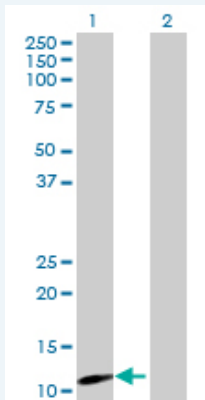
Western Blot (Transfected lysate)



 [enlarge](#)

Applications

Western Blot (Transfected lysate)



Western Blot analysis of MRPS12 expression in transfected 293T cell line ([H00006183-T01](#)) by MRPS12 MaxPab polyclonal antibody.

Lane 1: MRPS12 transfected lysate(15.18 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [6183](#)

**GeneBank
Accession#:** [NM_021107](#)

**Protein
Accession#:** [NP_066930](#)

Gene Name: MRPS12

Gene Alias: MPR-S12,MT-RPS12,RPMS12,RPS12,RPSM12

**Gene
Description:** mitochondrial ribosomal protein S12

Omim ID: [603021](#)

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 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 belongs to the ribosomal protein S12P family. The encoded protein is a key component of the ribosomal small subunit and controls the decoding fidelity and susceptibility to aminoglycoside antibiotics. The gene for mitochondrial seryl-tRNA synthetase is located upstream and adjacent to this gene, and both genes are possible candidates for the autosomal dominant deafness gene (DFNA4). Splice variants that differ in the 5' UTR have been found for this gene; all three variants encode the same protein. [provided by RefSeq]

**Other
Designations:** ribosomal protein, mitochondrial, S12

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