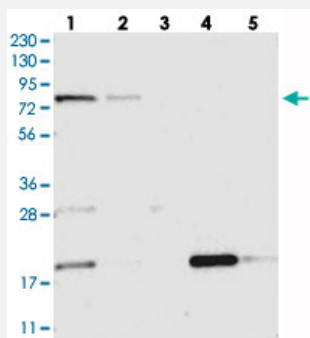


MTO1 polyclonal antibody

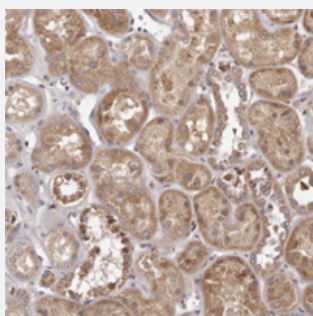
Catalog # PAB22421 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with MTO1 polyclonal antibody (Cat # PAB22421).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with MTO1 polyclonal antibody (Cat # PAB22421) shows moderate cytoplasmic positivity in renal tubules.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant MTO1.
Immunogen	Recombinant protein corresponding to amino acids of human MTO1.
Sequence	RPDNADSRLTLRGYKDAGCVSQQRYERACWMKSSLEEGISVLKSIEFLSSKWKKLIPEASISTSR SLPVRALDVLKYE
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with MTO1 polyclonal antibody (Cat # PAB22421).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with MTO1 polyclonal antibody (Cat # PAB22421) shows moderate cytoplasmic positivity in renal tubules.

Gene Info — MTO1

Entrez GeneID	25821
Protein Accession#	Q9Y2Z2
Gene Name	MTO1
Gene Alias	CGI-02
Gene Description	mitochondrial translation optimization 1 homolog (S. cerevisiae)
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a mitochondrial protein thought to be involved in mitochondrial tRNA modification. The encoded protein may also play a role in the expression of the non-syndromic and aminoglycoside-induced deafness phenotypes associated with a specific mutation in the mitochondrial 12S rRNA gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000016738|OTTHUMP00000016740|homolog of yeast Mto1|mitochondrial MTO1-3
|mitochondrial translation optimization 1 homolog

Disease

- [Deafness](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)