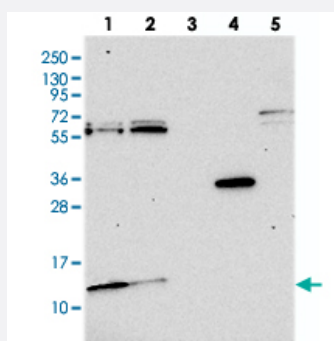


MRP63 polyclonal antibody

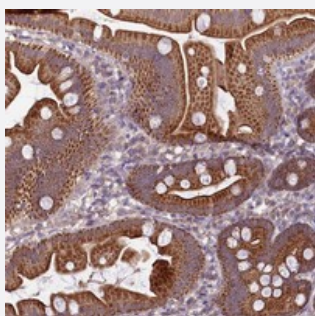
Catalog # PAB23450 Size 100 uL

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 MRP63 polyclonal antibody (Cat # PAB23450).



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

Immunohistochemical staining of human small intestine with MRP63 polyclonal antibody (Cat # PAB23450) shows strong cytoplasmic and membranous positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant MRP63.
Immunogen	Recombinant protein corresponding to amino acids of human MRP63.
Sequence	RFVSLRAKQNMIRRLIEAENHYWLSMPYMTREQERGHA AVR RREA FEA IKA
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification

Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) 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 MRP63 polyclonal antibody (Cat # PAB23450).

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

Immunohistochemical staining of human small intestine with MRP63 polyclonal antibody (Cat # PAB23450) shows strong cytoplasmic and membranous positivity in glandular cells.

Gene Info — MRP63

Entrez GeneID	78988
Protein Accession#	Q9BQC6
Gene Name	MRP63
Gene Alias	MGC3243, bMRP63
Gene Description	mitochondrial ribosomal protein 63
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 protein which belongs to an undetermined ribosomal subunit and which seems to be specific to animal mitoribosomes. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 3p, 5q, 8q, 14q, and Y. [provided by RefSeq]

Other Designations

mitochondrial ribosomal protein bMRP63