

## Rabbit MRPL38 Polyclonal Antibody | anti-MRPL38 antibody

MRPL38 Rabbit pAb

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA281915</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

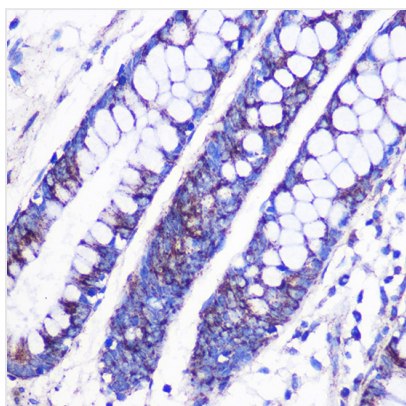
### PRODUCT SYNONYMS

MRPL38; Polyclonal Antibody; MRPL38 Rabbit pAb; L38MT; RPML3; MRP-L3; HSPC262; MRP-L38; anti-MRPL38 antibody

### PRODUCT SPECIFICATIONS

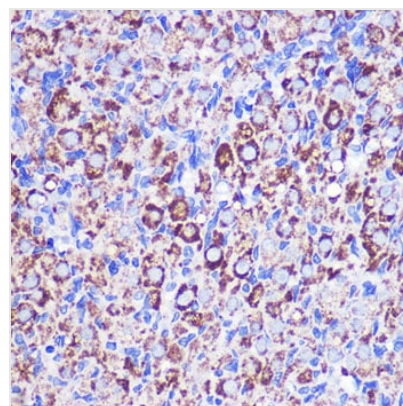
|                                                  |                                                                                 |
|--------------------------------------------------|---------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                          |
| Reactivity                                       | Human, Mouse, Rat                                                               |
| Clonality                                        | Polyclonal                                                                      |
| Isotype                                          | IgG                                                                             |
| Purity/Purification                              | Affinity purification                                                           |
| Form/Format                                      | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                               |
| Applicable Applications for anti-MRPL38 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                   |
| Immunogen                                        | Recombinant protein of human MRPL38.                                            |
| Positive Samples                                 | 293T, K-562, MCF7, Mouse liver, Mouse brain, Mouse kidney, Rat liver, Rat brain |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles.                                |

### IMAGES



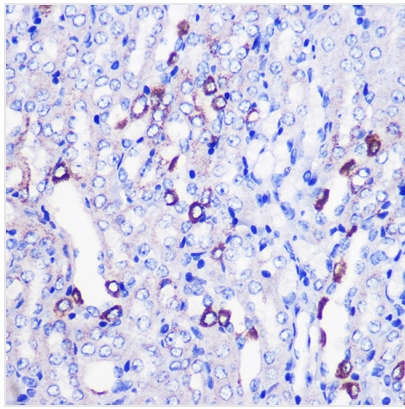
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon using MRPL38 Rabbit pAb at dilution of 1:100 (40x lens).



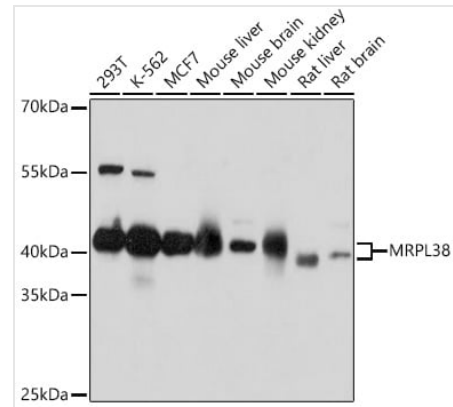
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat ovary using MRPL38 Rabbit pAb at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney using MRPL38 Rabbit pAb at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MRPL38 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

### ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MRPL38 antibody</b> | Background: 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 39S subunit protein. |
| <b>Product Categories/Family for anti-MRPL38 antibody</b>   | <a href="#">Endocrine &amp; Metabolism</a> ; <a href="#">Mitochondrial metabolism</a> ; <a href="#">Mitochondrial markers</a> ; <a href="#">Research</a> ; <a href="#">Endocrine &amp; Metabolism</a> ; <a href="#">Mitochondrial metabolism</a> ; <a href="#">Mitochondrial translation</a>                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### NCBI AND UNIPROT INFORMATION

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| <b>NCBI GI #</b>                        | 169636418                                |
| <b>NCBI GeneID</b>                      | 64978                                    |
| <b>NCBI Accession #</b>                 | NP_115867.2                              |
| <b>NCBI GenBank Nucleotide #</b>        | NM_032478.3                              |
| <b>UniProt Accession #</b>              | Q96DV4; Q96Q66; Q9P0B9                   |
| <b>Molecular Weight</b>                 | 44,597 Da                                |
| <b>NCBI Official Full Name</b>          | 39S ribosomal protein L38, mitochondrial |
| <b>NCBI Official Synonym Full Names</b> | mitochondrial ribosomal protein L38      |
| <b>NCBI Official Symbol</b>             | MRPL38                                   |
| <b>NCBI Official Synonym Symbols</b>    | L38MT; RPML3; MRP-L3; HSPC262; MRP-L38   |
| <b>NCBI Protein Information</b>         | 39S ribosomal protein L38, mitochondrial |
| <b>UniProt Protein Name</b>             | 39S ribosomal protein L38, mitochondrial |
| <b>UniProt Gene Name</b>                | <b>MRPL38</b>                            |
| <b>UniProt Synonym Gene Names</b>       | HSPC262; L38mt; MRP-L38                  |
| <b>UniProt Entry Name</b>               | RM38_HUMAN                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mrpl38-antibody-immunohistochemistry-western-blot-elisa/281915>