

## Rabbit anti-Human MRPS22 Polyclonal Antibody | anti-MRPS22 antibody

Anti-MRPS22 Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA256699 | Rabbit | Human      | Immunoprecipitation, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

MRPS22; Polyclonal Antibody; Anti-MRPS22 Antibody; Rabbit Polyclonal; MRPS22 Antibody; Rabbit PAb; Antigen Affinity Purified; mitochondrial ribosomal protein S22; Anti-C3orf5 Antibody; Anti-COXP5 Antibody; Anti-GIBT Antibody; Anti-GK002 Antibody; Anti-MRP-S22 Antibody; Anti-RPMS22 Antibody; anti-MRPS22 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                       | Human                                                                                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                      | Human MRPS22                                                                                                                                                                                                                                       |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                      | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-MRPS22 antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                            |
| Immunogen                                        | E Coli-derived Human MRPS22 fragment                                                                                                                                                                                                               |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                      | Produced in rabbits immunized with E Coli-derived Human MRPS22 fragment, and purified by antigen affinity chromatography.                                                                                                                          |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IP (Immunoprecipitation)

MRPS22 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-MRPS22 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MRPS22 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 41 kDa. Observed band size: 41 kDa.



#### IHC (Immunohistochemistry)

Immunochemical staining of human MRPS22 in human brain with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human MRPS22 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



#### WB (Western Blot)

Anti-MRPS22 rabbit polyclonal antibody at 1:500 dilution Lane A: COS7 Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 41 kDa Observed band size: 41 kDa

## ADDITIONAL INFORMATION

### Related Product Information for anti-MRPS22 antibody

MRPS22 (Mitochondrial Ribosomal Protein S22) is a Protein Coding gene. The MRPS22 gene, located on 3q23, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, C.elegans, and frog. MRPS22 belongs to the mitochondrion-specific ribosomal protein mS22 family. This gene encodes a 28S subunit protein that does not seem to have a counterpart in prokaryotic and fungal-mitochondrial ribosomes. This gene lies telomeric and is transcribed in the opposite direction from the forkhead box L2 gene. MRPS22 is widely expressed in adrenal, testis, and other tissues. Diseases associated with MRPS22 include Combined Oxidative Phosphorylation Deficiency 5 and Ovarian Dysgenesis 7. Among its related pathways are Organelle biogenesis and maintenance and Mitochondrial translation.

### References

Saada A, et al. (2007) Antenatal mitochondrial disease caused by mitochondrial ribosomal protein (mrps22) mutation. J Med Genet 44 (12): 784-786.  
Kilic M, et al. (2017) A patient with mitochondrial disorder due to a novel mutation in mrps22. Metab Brain Dis 32 (5): 1389-1393.  
Chen A, et al. (2018) Mutations in the mitochondrial ribosomal protein mrps22 lead to primary ovarian insufficiency. Hum Mol Genet 27 (11): 1913-1926.

**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://stage.aaabiotech.com/polyclonal/mrps22-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256699>