

## Rabbit anti-Human MRPS15 Polyclonal Antibody | anti-MRPS15 antibody

Anti-MRPS15 Antibody, Rabbit Polyclonal

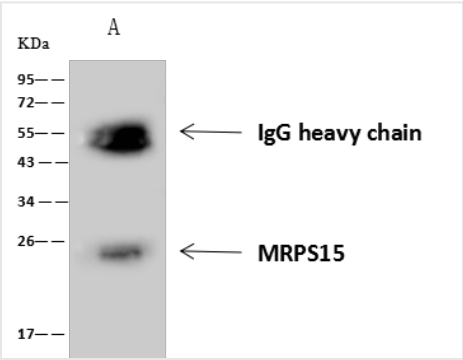
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                     |
|-----------|--------|------------|--------------------------------------------------------------------------------------------------|
| AAA256606 | Rabbit | Human      | Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

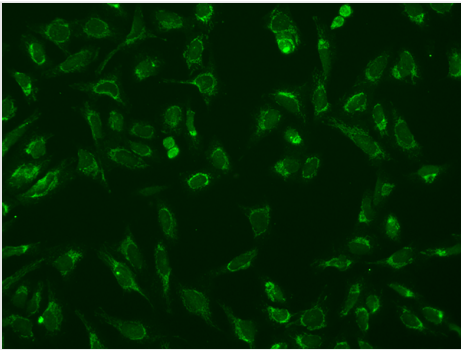
MRPS15; Polyclonal Antibody; Anti-MRPS15 Antibody; Rabbit Polyclonal; MRPS15 Antibody; Rabbit PAb; Antigen Affinity Purified; mitochondrial ribosomal protein S15; Anti-DC37 Antibody; Anti-MPR-S15 Antibody; Anti-RPMS15 Antibody; Anti-S15mt Antibody; anti-MRPS15 antibody

### PRODUCT SPECIFICATIONS

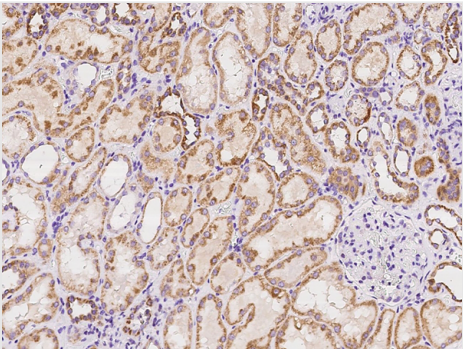
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|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                       | Human                                                                                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                      | Human MRPS15                                                                                                                                                                                                                                       |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                      | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-MRPS15 antibody | IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                        |
| Immunogen                                        | E Coli-derived Human MRPS15 fragment                                                                                                                                                                                                               |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                      | Produced in rabbits immunized with E Coli-derived Human MRPS15 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. |



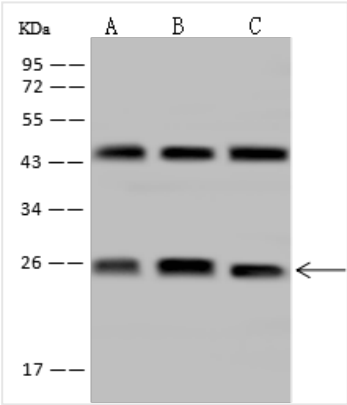
**IP (Immunoprecipitation)**  
MRPS15 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-MRPS15 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MRPS15 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 30 kDa. Observed band size: 24 kDa.



**IF (Immunofluorescence)**  
Immunofluorescence staining of MRPS15 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human MRPS15 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



**IHC (Immunohistochemistry)**  
Immunochemical staining of human MRPS15 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



**WB (Western Blot)**  
Anti-MRPS15 rabbit polyclonal antibody at 1:500 dilution. Lane A: U-87MG Whole Cell Lysate. Lane B: Raji Whole Cell Lysate. Lane C: 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: 30 kDa. Observed band size: 25 kDa.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MRPS15 antibody</b> | MRPS15 (Mitochondrial Ribosomal Protein S15) is a Protein Coding gene. The MRPS15 gene, located on 1p34.3, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, and frog. MRPS15 belongs to the universal ribosomal protein uS15 family. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S15P family. The encoded protein is more than two times the size of its E Coli counterpart, with the 12S rRNA binding sites conserved. Between the human and mouse, the encoded protein is the least conserved among small subunit ribosomal proteins. MRPS15 is widely expressed in testis, fat, and other tissues. Among its related pathways are Organelle biogenesis and maintenance and Viral mRNA Translation. |
| <b>References</b>                                           | Nassa G, et al. (2011) A large set of estrogen receptor beta-interacting proteins identified by tandem affinity purification in hormone-responsive human breast cancer cell nuclei. <i>Proteomics</i> 11 (1): 159-165. Grassi MA, et al. (2011) Genome-wide meta-analysis for severe diabetic retinopathy. <i>Hum Mol Genet</i> 20 (12): 2472-2481. Davies SM, et al. (2009) Pentatricopeptide repeat domain protein 3 associates with the mitochondrial small ribosomal subunit and regulates translation. <i>FEBS Lett</i> 583 (12): 1853-1858.                                                                                                                                                                                                                           |

**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.