

Rabbit anti-Human MRPS2 Polyclonal Antibody | anti-MRPS2 antibody

Anti-MRPS2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256796	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MRPS2; Polyclonal Antibody; Anti-MRPS2 Antibody; Rabbit Polyclonal; MRPS2 Antibody; Rabbit PAb; Antigen Affinity Purified; mitochondrial ribosomal protein S2; Anti-CGI-91 Antibody; Anti-MRP-S2 Antibody; Anti-S2mt Antibody; anti-MRPS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MRPS2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MRPS2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human MRPS2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MRPS2 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)

MRPS2 was immunoprecipitated using: Lane A: 0.5 mg A-431 Whole Cell Lysate 4 uL anti-MRPS2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MRPS2 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: 33 kDa. Observed band size: 33 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of MRPS2 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 MRPS2 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human MRPS2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-MRPS2 rabbit polyclonal antibody at 1:500 dilution. Lane A: A-431 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: 33 kDa. Observed band size: 33 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS2 antibody

MRPS2 (Mitochondrial Ribosomal Protein S2) is a Protein Coding gene. The MRPS2 gene, located on 9q34.3, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, C.elegans, and frog. MRPS2 belongs to the universal ribosomal protein uS2 family. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S2 family. Alternatively, spliced transcript variants have been observed for this gene. MRPS2 is widely expressed in the kidney, ovary, and other tissues. Diseases associated with MRPS2 include Combined Oxidative Phosphorylation Deficiency 36 and Brain Glioblastoma Multiforme. Among its related pathways are Organelle biogenesis and maintenance and Viral mRNA Translation.

References

Jourdain AA, et al. (2013) Grsf1 regulates rna processing in mitochondrial rna granules. Cell Metab 17 (3): 399-410. Gardeitchik T, et al. (2018) Bi-allelic mutations in the mitochondrial ribosomal protein mrps2 cause sensorineural hearing loss, hypoglycemia, and multiple oxphos complex deficiencies. Am J Hum Genet 102 (4): 685-695. Dogan T, et al. (2017) Role of the e3 ubiquitin ligase rnf157 as a novel downstream effector linking pi3k and mapk signaling pathways to the cell cycle. J Biol Chem 292 (35): 14311-14324.

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/mrps2-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256796>