Rabbit anti-Human MRPS23 Polyclonal Antibody | anti-MRPS23 antibody

Anti-MRPS23 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256721	**Rabbit**	**Human**	**Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

MRPS23; Polyclonal Antibody; Anti-MRPS23 Antibody; Rabbit Polyclonal; MRPS23 Antibody; Rabbit PAb; Antigen Affinity Purified; mitochondrial ribosomal protein S23; Anti-CGI-138 Antibody; Anti-HSPC329 Antibody; Anti-MRP-S23 Antibody; anti-MRPS23 antibody

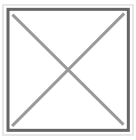
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MRPS23
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MRPS23 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human MRPS23 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MRPS23 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.

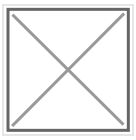
IMAGES

IP (Immunoprecipitation)
MRPS23 was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell Lysate4 uL anti-MRPS23 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G.Primary antibody:Anti-MRPS23 rabbit polyclonal antibody,at 1:100 dilutionSecondary antibody:Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilutionDeveloped using the ECL technique.Performed under reducing conditions.Predicted band size: 22 kDaObserved band size :22 kDa

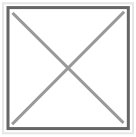
IF (Immunofluorescence)
Immunofluorescence staining of MRPS23 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human MRPS23 polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.



IHC (Immunohistochemisry)
Immunochemical staining of human MRPS23 in human adrenal gland with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohiostchemistry)
Immunochemical staining of human MRPS23 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-MRPS23 rabbit polyclonal antibody at 1:500 dilutionLane A: HeLa Whole Cell LysateLane B: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:22 kDaObserved band size:22 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS23 antibody	MRPS23 (Mitochondrial Ribosomal Protein S23) is a Protein Coding gene. The MRPS23 gene, located on 17q22, is conserved in chimpanzee, Rhesus monkey, dog, etc. MRPS23 belongs to the mitochondrion-specific ribosomal protein mS23 family. This gene encodes a 28S subunit protein. MRPS23 is involved in breast cancer cell proliferation and metastatic phenotypes of cervical cancer. MRPS23 is a potential therapeutic target for the interference of breast cancer proliferation, angiogenesis, and metastasis. Diseases associated with MRPS23 include Colorectal Cancer, Hereditary Nonpolyposis, Type 7, and Chromosome 6Q24-Q25 Deletion Syndrome. MRPS23 is widely expressed in the heart, prostate, and other tissues. Among its related pathways are Organelle biogenesis and maintenance and Mitochondrial translation.
References	Zhang L, et al. (2013) Traf4 promotes tgf-beta receptor signaling and drives breast cancer metastasis. Mol Cell 51 (5): 559-572. Klastad E, et al. (2020) Mrps23 amplification and gene expression in breast cancer; association with proliferation and the non-basal subtypes. Breast Cancer Res Treat 180 (1): 73-86. Gao Y, et al. (2017) Down-regulation of mrps23 inhibits rat breast cancer proliferation and metastasis. Oncotarget 8 (42): 71772-71781.

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/mrps23-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256721