

Rabbit anti-Human MRPL45 Polyclonal Antibody | anti-MRPL45 antibody

Anti-MRPL45 Antibody, Rabbit Polyclonal

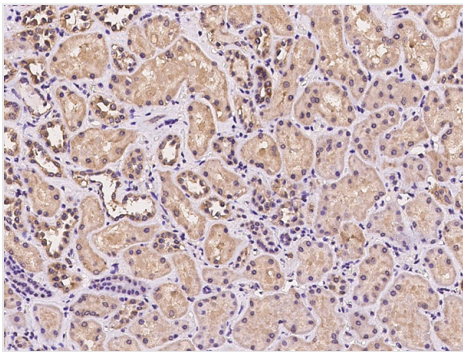
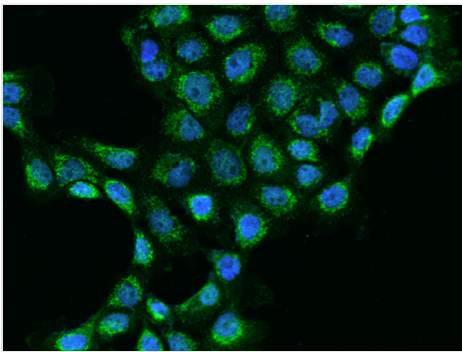
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256056	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

MRPL45; Polyclonal Antibody; Anti-MRPL45 Antibody; Rabbit Polyclonal; MRPL45 Antibody; Rabbit PAb; Antigen Affinity Purified; mitochondrial ribosomal protein L45; Anti-L45mt Antibody; Anti-MRP-L45 Antibody; anti-MRPL45 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MRPL45
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MRPL45 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human MRPL45 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MRPL45 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.



IF (Immunofluorescence)
Immunofluorescence staining of MRPL45 in A431 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 MRPL45 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) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.

IHC (Immunohistochemistry)
Immunochemical staining of human MRPL45 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL45 antibody	MRPL45 (Mitochondrial Ribosomal Protein L45) is a Protein Coding gene. The MRPL45 gene, located on 17q12, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, and frog. MRPL45 belongs to the mitochondrion-specific ribosomal protein mL45 family. This gene encodes a 39S subunit protein. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 2p and 17q. MRPL45 is widely expressed in the thyroid, kidney, and other tissues. Diseases associated with MRPL45 include Fanconi Anemia, Complementation Group L, and Mitochondrial Complex Iv Deficiency. Among its related pathways are Organelle biogenesis and maintenance and Mitochondrial translation.
References	Yagi M, et al. (2012) P32/gc1qr is indispensable for fetal development and mitochondrial translation: Importance of its rna-binding ability. Nucleic Acids Res 40 (19): 9717-9737. Pharoah PD, et al. (2013) Gwas meta-analysis and replication identifies three new susceptibility loci for ovarian cancer. Nat Genet 45 (4): 362-370, 370e361-362. Brown A, et al. (2014) Structure of the large ribosomal subunit from human mitochondria. Science 346 (6210): 718-722.

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.