

Rabbit anti-Human SLC25A42 Polyclonal Antibody | anti-SLC25A42 antibody

Anti-SLC25A42 Antibody, Rabbit Polyclonal

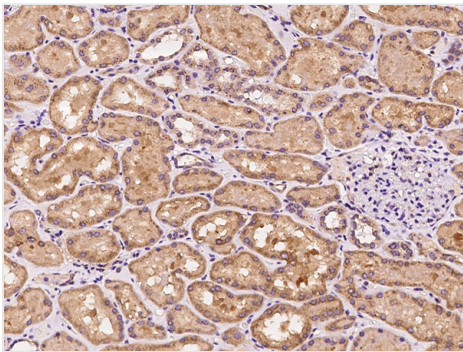
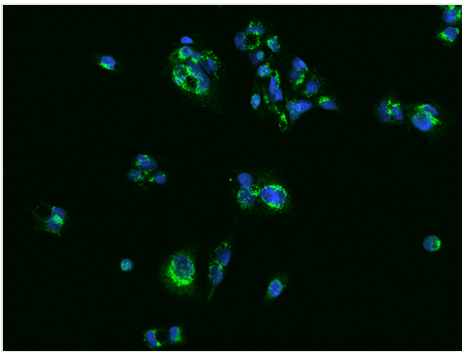
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256508	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

SLC25A42; Polyclonal Antibody; Anti-SLC25A42 Antibody; Rabbit Polyclonal; SLC25A42 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-SLC25A42 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SLC25A42
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SLC25A42 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human SLC25A42 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SLC25A42 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 SLC25A42 in HepG2 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 SLC25A42 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 SLC25A42 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A42 antibody	The mitochondrial carriers (MCs) shuttle a variety of metabolites across the inner mitochondrial membrane (IMM). In human, they are encoded by the SLC25 genes. All MCF members have a tripartite structure, consisting of three tandemly repeated homologous domains about 100 amino acids in length. The mode of transport varies among different MCs with respect to how the substrate translocation depends on the electrical and pH gradients across the IMM. Solute carrier family 25 proteins are localized to mitochondria. The encoded SLC25A42 protein is a mitochondrial transporter for coenzyme A (CoA) and adenosine 3', 5'-diphosphate.
References	Iuso A, et al. (2019) A homozygous splice site mutation in slc25a42, encoding the mitochondrial transporter of coenzyme a, causes metabolic crises and epileptic encephalopathy. JIMD Rep 44 1-7.Haitina T, et al. (2006) Fourteen novel human members of mitochondrial solute carrier family 25 (slc25) widely expressed in the central nervous system. Genomics 88 (6): 779-790.Almannai M, et al. (2018) Expanding the phenotype of slc25a42-associated mitochondrial encephalomyopathy. Clin Genet 93 (5): 1097-1102.

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.