SLC22A5 rabbit monoclonal antibody

Catalog # H00006584-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC22A5 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC22A5 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SLC22A5 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — SLC22A5

Entrez GeneID	6584
GeneBank Accession#	SLC22A5
Gene Name	SLC22A5
Gene Alias	CDSP, FLJ46769, OCTN2, OCTN2VT
Gene Description	solute carrier family 22 (organic cation/carnitine transporter), member 5
Omim ID	212140 603377
Gene Ontology	Hyperlink
Gene Summary	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and en vironmental toxins. The encoded protein is a plasma integral membrane protein which functions b oth as an organic cation transporter and as a sodium-dependent high affinity carnitine transporter. The encoded protein is involved in the active cellular uptake of carnitine. Mutations in this gene ar e the cause of systemic primary carnitine deficiency (CDSP), an autosomal recessive disorder m anifested early in life by hypoketotic hypoglycemia and acute metabolic decompensation, and late r in life by skeletal myopathy or cardiomyopathy. [provided by RefSeq
Other Designations	high-affinity sodium dependent carnitine cotransporter|organic cation transporter 2|organic cation transporter 5|organic cation/carnitine transporter 2|solute carrier family 22 (organic cation transpo rter), member 5|solute carrier family 22 member 5

Disease

- Anus Diseases
- Arthritis
- Bronchiolitis
- Cardiomyopathies
- Cardiovascular Diseases
- Cholangitis
- Colitis

- Colorectal Neoplasms
- Crohn Disease
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Edema
- Genetic Predisposition to Disease
- Growth Disorders
- Hypersensitivity
- Hypertension
- Hypertrophy
- Ileitis
- Inflammation
- Inflammatory Bowel Diseases
- Kidney Failure
- Liver Cirrhosis
- Pre-Eclampsia
- Pregnancy Complications
- Psoriasis
- Respiratory Syncytial Virus Infections
- Tobacco Use Disorder
- Tuberculosis