

Anti-Solute carrier family 22 member 5/SLC22A5 Antibody Picoband®

Catalog Number: PA2174

About Slc22a5

Solute carrier family 22 (organic cation/carnitine transporter), member 5, also called SLC22A5 or OCTN2 is a membrane transport protein associated with primary carnitine deficiency. This gene is mapped to 5q31.1. 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 environmental toxins. The encoded protein is a plasma integral membrane protein which functions both 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 are the cause of systemic primary carnitine deficiency (CDSP), an autosomal recessive disorder manifested early in life by hypoketotic hypoglycemia and acute metabolic decompensation, and later in life by skeletal myopathy or cardiomyopathy.

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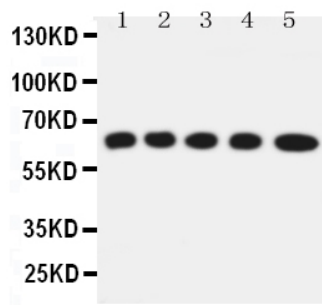
Overview

Product Name	Anti-Solute carrier family 22 member 5/SLC22A5 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Solute carrier family 22 member 5/SLC22A5 Antibody catalog # PA2174. Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9Z0E8

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Solute carrier family 22 member 5, different from the related rat sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, Rat

Anti-Solute carrier family 22 member 5/SLC22A5 Antibody Picoband® (PA2174) Images



Anti-Solute carrier family 22 member 5 antibody, PA2174,
Western blotting
Lane 1: Rat Kidney Tissue Lysate
Lane 2: Rat Skeletal Muscles Tissue Lysate
Lane 3: Mouse Liver Tissue Lysate
Lane 4: HEPA Cell Lysate
Lane 5: NIH3T3 Cell Lysate

Anti-Solute carrier family 22 member 5/SLC22A5 Antibody

For Research Use Only. Not for use in diagnostic procedures.