Datasheet for ABIN5518958

anti-SLC7A3 antibody (N-Term)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	SLC7A3
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC7A3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cationic amino acid transporter 3(SLC7A3) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human SLC7A3 (1-30aa MPWQAFRRFGQKLVRRRTLESGMAETRLAR), different from the related mouse and rat sequences by four amino acids.
Sequence:	MPWQAFRRFG QKLVRRRTLE SGMAETRLAR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cationic amino acid transporter 3(SLC7A3) detection. Tested with WB in Human. Gene Name: solute carrier family 7 member 3

Product Details

	Protein Name: Cationic amino acid transporter 3
Purification:	Immunogen affinity purified.

Target Details

Target:	SLC7A3
Alternative Name:	SLC7A3 (SLC7A3 Products)
Background:	Cationic amino acid transporter 3 is a protein that in humans is encoded by the SLC7A3 gene. This gene encodes a member of the solute carrier family 7. The encoded protein is a sodium-independent cationic amino acid transporter. Alternate splicing results in multiple transcripts that encoded the same protein. The International Radiation Hybrid Mapping Consortium mapped the SLC7A3 gene to the X chromosome. Synonyms: Cationic amino acid transporter 3, CAT-3, CAT3, Cationic amino acid transporter y+, Solute carrier family 7 member 3, SLC7A3, ATRC3, CAT3
Gene ID:	84889

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.
Restrictions:	For Research Use only

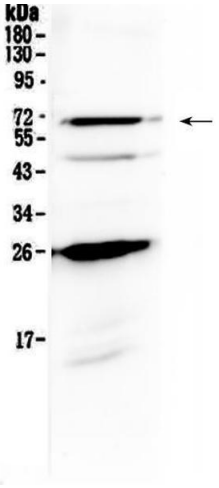
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of SLC7A3 using anti-SLC7A3 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: human A431 whole cell lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC7A3 antigen affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SLC7A3 at approximately 67KD. The expected band size for SLC7A3 is at 67KD.