SLC7A2 Rabbit mAb

Catalog No.: A30082

Recombinant

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Basic Information

Observed MW
80-100 kDa

Calculated MW
72 kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross Reactivity
Mouse, Rat

Clone No.
ARC84993

Background

Enables L-amino acid transmembrane transporter activity. Involved in L-arginine transmembrane transport and regulation of macrophage activation. Acts upstream of or within several processes, including amino acid import across plasma membrane; nitric oxide biosynthetic process; and nitric oxide production involved in inflammatory response. Located in membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; immune system; and respiratory system. Orthologous to human SLC7A2 (solute carrier family 7 member 2).

Recommended Dilutions

WB 1:2000 - 1:5000

ELISA

Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
11988

Swiss-Prot
P18581

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
Tea; 20.5; Cat2; Atrc2; CAT-2

Contact

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Product Information

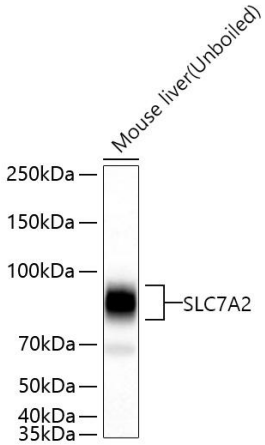
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.

Validation Data



Western blot analysis of lysates from Mouse liver using SLC7A2 Rabbit mAb (A30082) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.

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