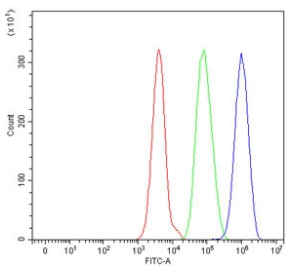
CAT2 Antibody / Cationic amino acid transporter 2 / SLC7A2 (RQ7694)

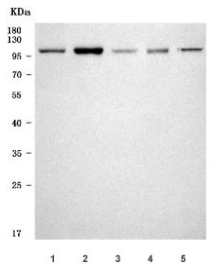
Catalog No.	Formulation	Size
RQ7694	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P52569
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This CAT2 antibody is available for research use only.



Flow cytometry testing of human HepG2 cells with CAT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CAT2 antibody.



Western blot testing of 1) human placenta, 2) rat skeletal muscle, 3) rat ovary, 4) mouse skeletal muscle and 5) mouse C2C12 cell lysate with CAT2 antibody. Predicted molecular weight ~72 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Cationic amino acid transporter 2 (CAT2) is a protein that in humans is encoded by the SLC7A2 gene. The protein encoded by this gene is a cationic amino acid transporter and a member of the APC (amino acid-polyamine-organocation) family of transporters. The encoded membrane protein is responsible for the cellular uptake of arginine, lysine and ornithine. Three transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the CAT2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-F658) was used as the immunogen for the CAT2 antibody.

Storage

After reconstitution, the CAT2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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