

SLC7A2 Rabbit pAb

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Catalog # AP57827

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P52569
Predicted	Rat, Pig, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71673
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC7A2
Epitope Specificity	201-300/658
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Oct 2011]

Additional Information

Gene ID	6542
Other Names	Cationic amino acid transporter 2, CAT-2, CAT2, Low affinity cationic amino acid transporter 2, Solute carrier family 7 member 2, SLC7A2 (HGNC:11060)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

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Function	Functions as a permease involved in the transport of the cationic amino acids (L-arginine, L-lysine, L-ornithine and L- homoarginine); the affinity for its substrates differs between isoforms created by alternative splicing (PubMed: 28684763 , PubMed: 9174363). May play a role in classical or alternative activation of macrophages via its role in arginine transport (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed at high levels in the skeletal muscle, placenta and ovary. Expressed at intermediate levels in the liver and pancreas and at low levels in the kidney and heart

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.