

## ARG40097 anti-SLC7A2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SLC7A2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SLC7A2
Species	Human
Immunogen	Synthetic peptide within aa. 500 to the C-terminus of Human SLC7A2 (NP_001008539.3).
Conjugation	Un-conjugated
Alternate Names	ATRC2; Solute carrier family 7 member 2; CAT-2; Cationic amino acid transporter 2; Low affinity cationic amino acid transporter 2; CAT2; HCAT2

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat liver, Mouse brain and HepG2	
Observed Size	80 kDa	

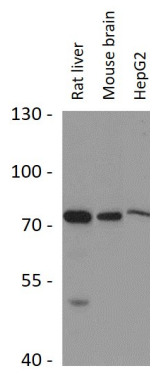
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	SLC7A2
Gene Full Name	solute carrier family 7 (cationic amino acid transporter, $\gamma$ + system), member 2
Background	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]
Function	Functions as permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine); the affinity for its substrates differs between isoforms created by alternative splicing. Isoform 1 functions as permease that mediates the transport of the cationic amino acids (arginine, lysine and ornithine), and it has much higher affinity for arginine than isoform 2. Isoform 2 functions as low-affinity, high capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine). May play a role in classical or alternative activation of macrophages via its role in arginine transport. [UniProt]
Calculated Mw	72 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

## Images



ARG40097 anti-SLC7A2 antibody WB image

Western blot: 25  $\mu$ g of Rat liver, Mouse brain and HepG2 cell lysates stained with ARG40097 anti-SLC7A2 antibody at 1:1000 dilution.