

Rabbit SLC7A11 Polyclonal Antibody | anti-SLC7A11 antibody

SLC7A11 Polyclonal Antibody

CATALOG # AAA281147	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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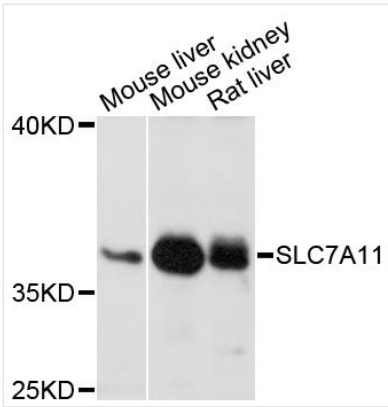
PRODUCT SYNONYMS

SLC7A11; Polyclonal Antibody; SLC7A11 Polyclonal Antibody; CCBR1; xCT; anti-SLC7A11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	ILEPFFIQCE IPELAIKLIT AVGITVVMVL NSMSVWSAR IQIFLTCKL TAILIIVPG VMQLIKGQTQ NFKDAFSGRD SSITRLPLAF YYGMYAYAGW F
Sequence Length	501
Applicable Applications for anti-SLC7A11 antibody	WB (Western Blot)
Immunogen	A synthetic peptide of human SLC7A11
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Membrane, Multi-pass membrane protein
Positive Samples	Mouse liver, Mouse kidney, Rat liver
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using SLC7A11 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A11 antibody	This gene encodes a member of a heteromeric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system, designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant mediator of Kaposi sarcoma-associated herpesvirus fusion and entry permissiveness into cells. Also, increased expression of this gene in primary gliomas (compared to normal brain tissue) was associated with increased glutamate secretion via the XCT channels, resulting in neuronal cell death.
Product Categories/Family for anti-SLC7A11 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657683
NCBI GeneID	23657
NCBI Accession #	NP_055146.1
NCBI GenBank Nucleotide #	NM_014331.3
UniProt Accession #	Q9UPY5 ; A8K2U4
Molecular Weight	Calculated: 55kDa Observed: 37kDa
NCBI Official Full Name	cystine/glutamate transporter
NCBI Official Synonym Full Names	solute carrier family 7 member 11
NCBI Official Symbol	SLC7A11
NCBI Official Synonym Symbols	xCT; CCBR1
NCBI Protein Information	cystine/glutamate transporter
UniProt Protein Name	Cystine/glutamate transporter
UniProt Gene Name	SLC7A11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

