

## ARG64200 anti-SLC7A11 / xCT antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes SLC7A11 / xCT
Tested Reactivity	Hu
Tested Application	ICC/IF
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SLC7A11 / xCT
Species	Human
Immunogen	C-KGQTQNFKDAFSGRD
Conjugation	Un-conjugated
Alternate Names	xCT; CCBR1; Cystine/glutamate transporter; Solute carrier family 7 member 11; Amino acid transport system xc-; Calcium channel blocker resistance protein CCBR1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

### Database links

[GeneID: 23657 Human](#)

[Swiss-port # Q9UPY5 Human](#)

### Background

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. [provided by RefSeq, Sep 2011]

### Highlight

Related products:

[SLC7A11 antibodies](#); [SLC7A11 Duos / Panels](#); [Anti-Goat IgG secondary antibodies](#);

Related news:

[Ferroptosis/Oxytosis Antibody Panel is launched](#)

[Therapeutic strategies against PDAC](#)

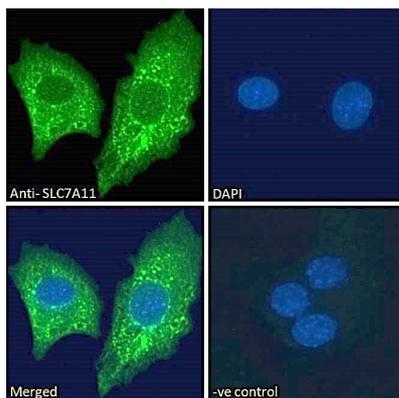
### Research Area

Ferroptosis/Oxytosis Study antibody

### Calculated Mw

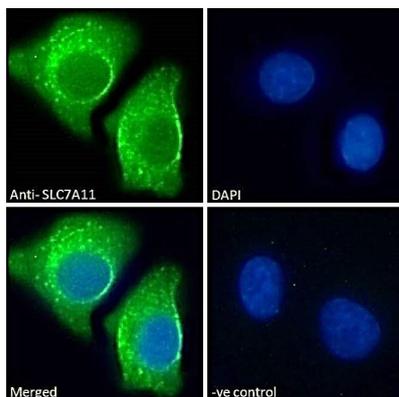
55 kDa

## Images



ARG64200 anti-SLC7A11 / xCT antibody ICC/IF image

Immunofluorescence: Paraformaldehyde-fixed HepG2 cells permeabilized with 0.15% Triton. Cells were stained with ARG64200 anti-SLC7A11 / xCT antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG64200 anti-SLC7A11 / xCT antibody ICC/IF image

Immunofluorescence: Paraformaldehyde-fixed A549 cells permeabilized with 0.15% Triton. Cells were stained with ARG64200 anti-SLC7A11 / xCT antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.