

# [KD Validated] SLC7A11/xCT Rabbit pAb

Catalog No.: A25291

## Basic Information

### Observed MW

42kDa

### Calculated MW

55kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

23657

### Swiss Prot

Q9UPY5

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 201-300 of human SLC7A11/xCT (NP\_055146.1).

### Synonyms

xCT; CCBR1; SLC7A11/xCT

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

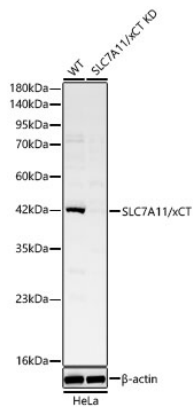
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from wild type (WT) and SLC7A11/xCT knockdown (KD) HeLa cells using [KD Validated] SLC7A11/xCT Rabbit pAb (A25291) at 1:1000 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.