Product datasheet

Anti-xCT/SLC7A11 Antibody

Catalog Number: *A03036-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-xCT/SLC7A11 Antibody
Gene Name	SLC7A11
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ELISA
Contents	500 ug/ml antibody with PBS，0.02% NaN3, 1 mg BSA and 50% glycerol.
Immunogen	Peptide
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	40-50 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE

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Reference

Anti-xCT/SLC7A11 Antibody被引用在3文献中。

Selected Validation Data

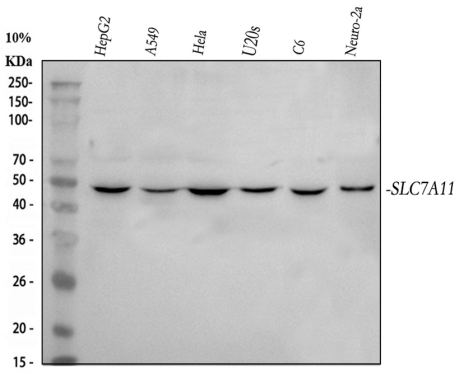

Figure 1. Western blot analysis of xCT/SLC7A11 using anti-xCT/SLC7A11 antibody (A03036-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: human A549 whole cell lysates,
Lane 3: human Hela whole cell lysates,
Lane 4: human U2OS whole cell lysates,
Lane 5: rat C6 whole cell lysates,
Lane 6: mouse Neuro-2a whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-xCT/SLC7A11 antigen affinity purified polyclonal antibody (A03036-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for xCT/SLC7A11 at approximately 40-50 kDa. The expected band size for xCT/SLC7A11 is at 55 kDa.

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