

anti-Human, Mouse XCT Antibody | anti-xCT antibody

XCT, Affinity Purified Antibody, Rabbit

CATALOG # AAA76469	REACTIVITY Human, Mouse	APPLICATIONS Western Blot, Immunohistochemistry
------------------------------	-----------------------------------	---

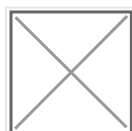
PRODUCT SYNONYMS

XCT; Affinity Purified Antibody; Rabbit; anti-xCT antibody

PRODUCT SPECIFICATIONS

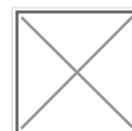
Reactivity	Human, Mouse
Form/Format	Affinity Purified - Liquid
Sequence Length	169
Applicable Applications for anti-xCT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Type Info	Rabbit IgG
Immunogen	A synthetic peptide made to a region within the N-terminus of the human XCT protein sequence (between residues 1-50).

IMAGES



Application Data

Image: Detection of XCT in total human and mouse stomach lysate.



Application Data

Image: XCT staining in the absorptive epithelia of intestinal villi.

ADDITIONAL INFORMATION

Related Product Information for anti-xCT antibody	Mammalian amino acid transport systems consist of a large variety of transporters. The amino acid transporter, cystine/glutamic acid transporter xCT, for system xc has been proposed to be responsible for the cystine transport through the plasma membrane. System xc mediates an amino acid exchange and prefers cystine and glutamate as its substrates. The transporter designated as xCT requires 4F2 heavy chain (4F2hc:CD98) for its functional expression, and belongs to the family of amino acid transporters that associates with the type II membrane glycoproteins such as 4F2hc. In brain, it has been proposed that system xc is up-regulated in glial cells upon oxidative stress and plays an essential roles to protect neurons against oxidative stress. Recent studies have implicated xCT as a gateway that Kaposi's sarcoma herpesvirus (KSHV) uses to enter cells.
Product Categories/Family for anti-xCT antibody	Antibodies ; Neuronal-Glial Markers ; Glial-Astrocyte Markers ; xCT

NCBI AND UNIPROT INFORMATION

NCBI GI #	958963209
Molecular Weight	18,431 Da
NCBI Official Full Name	XCT, partial

UniProt Protein Name	XCT
UniProt Gene Name	XCT
UniProt Entry Name	A0A0S7MDM3_9TELE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/xct/76469>