Rabbit xCT Polyclonal Antibody | anti-xCT antibody

xCT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31101	**Rabbit**	**Human, Mouse, Monkey**	**Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry**

PRODUCT SYNONYMS

xCT; Polyclonal Antibody; xCT Antibody; Amino acid transport system xc xCT antibody; Amino acid transport system xc-; Calcium channel blocker resistance protein CCBR1; Calcium channel blocker resistance protein CCBR1 antibody; CCBR1; Cysteine/glutamate transporter antibody; Cystine/glutamate transporter; OTTHUMP00000164578; SLC7A11; Solute carrier family 7 (anionic amino acid transporter light chain; xc-system); member 11; solute carrier family 7; Solute carrier family 7 member 11; Solute carrier family 7; (cationic amino acid transporter; y+ system) member 11; SYSTEM Xc(-) TRANSPORTER-RELATED PROTEIN; XCT_HUMAN; anti-xCT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	xCT antibody detects endogenous levels of xCT.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	501
Applicable Applications for anti-xCT antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF/ICC: 1:100 - 1:500 The optimal dilutions should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human xCT, corresponding to a region with the internal amino acids.
Preparation and Storage	Store at -20°C.

IMAGES

IHC (Immunohistochemistry-Paraffin)
AAA31101at 1/100 staining human mammary cancer tissue byIHC-P. The sample was formaldehyde fixed and a heatmediated antigen retrieval step in citrate buffer wasperformed. The sample was then blocked and incubated withthe antibody for 1.5 hours at 22°C. An HRP conjugated goatanti-rabbit antibody was used as the secondary antibody.

WB (Western Blot)
Western blot analysis of extracts from HepG2, using xCT Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-xCT antibody	Sodium-independent, high-affinity exchange of anionic amino acids with high specificity for anionic form of cystine and glutamate.

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	40 kDa~45 kDa
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.

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