



Product datasheet

Anti-xCT antibody ab37185

★★★★★ [2 Abreviews](#) [87 References](#) [2 Images](#)

Overview

Product name	Anti-xCT antibody
Description	Rabbit polyclonal to xCT
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human xCT aa 1-50 (N terminal). The exact sequence is proprietary. Sequence: MVRKPVVSTISKGGYLQGNVNGRLPSLGNKEPPGQEKVQ LKRKVTLLRGV Database link: Q9UPY5 <div>  Run BLAST with  Run BLAST with </div>
Positive control	ICC/IF: HepG2 cells. IHC-P: Human small intestine tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide
Purity	Protein A purified
Purification notes	Affinity purified antibody.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab37185 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ICC/IF		1/100 - 1/1000.

Target

Function

Sodium-independent, high-affinity exchange of anionic amino acids with high specificity for anionic form of cystine and glutamate.

Sequence similarities

Belongs to the amino acid-polyamine-organocation (APC) superfamily. L-type amino acid transporter (LAT) (TC 2.A.3.8) family.

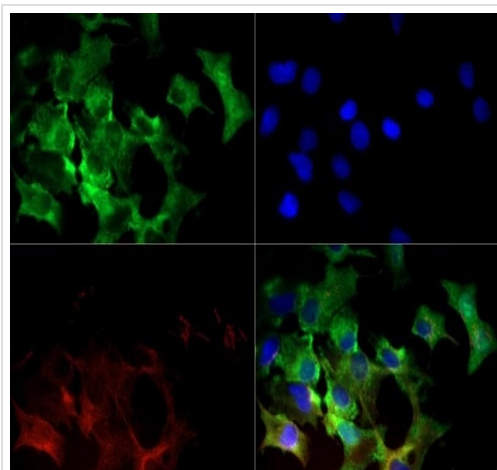
Cellular localization

Membrane.

Form

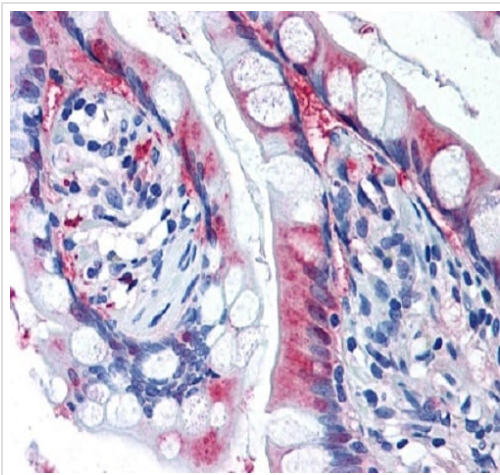
xCT has a predicted molecular weight of 55 kDa; however it has a high number of hydrophobic residues which may affect the migration of the protein in SDS-PAGE. Endogenous monomeric xCT is expected to migrate at ~35 kDa and modified-xCT is expected to migrate at ~55 kDa (PMID: 17035536)

Images



Immunocytochemistry/ Immunofluorescence analysis of HepG2 cells labeling xCT with ab37185 followed by Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red) respectively.

Immunocytochemistry/ Immunofluorescence - Anti-xCT antibody (ab37185)



Immunohistochemical analysis of human small intestine labeling xCT with ab37185. Staining is observed in the absorptive epithelia of small intestinal villi.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-xCT antibody (ab37185)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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