

## Product datasheet

# Anti-xCT antibody ab37185

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

### Overview

---

<b>Product name</b>	Anti-xCT antibody
<b>Description</b>	Rabbit polyclonal to xCT
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human xCT aa 1-50 (N terminal). The exact sequence is proprietary. Sequence:  MVRKPVVSTISKGGYLQGNVNGRLPSLGNKEPPGQEKVQ LKRKVTLLRGV

Database link: [Q9UPY5](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

**Positive control** ICC/IF: HepG2 cells. IHC-P: Human small intestine tissue.

### General notes

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.

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

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Affinity purified antibody.
<b>Clonality</b>	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.

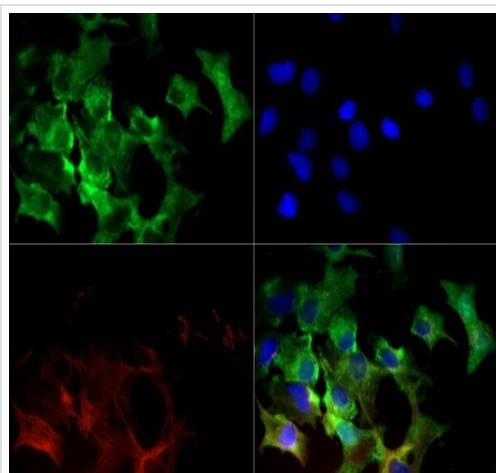
### Cellular localization

Membrane.

### Form

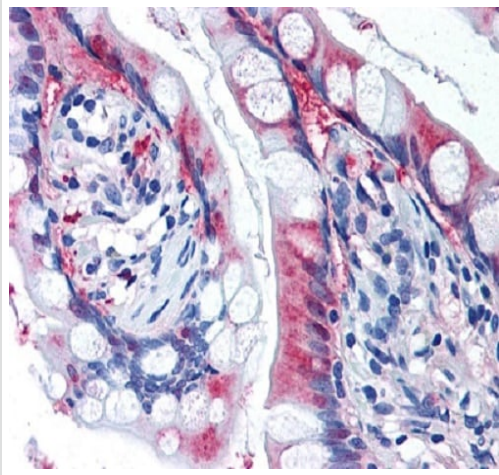
xCT has a predicted molecular weight of 55 kDa; however it has a high number of hydrophobic residues which may affect the migration of the protein in SDS-PAGE. Endogenous monomeric xCT is expected to migrate at ~35 kDa and modified-xCT is expected to migrate at ~55 kDa (PMID: 17035536)

## 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"

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors