

# Product Datasheet

## xCT Antibody - BSA Free NBP2-88948-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-88948-0.1mg**

xCT Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	55 kDa

**Product Description**

<b>Description</b>	Novus Biologicals Rabbit xCT Antibody - BSA Free (NBP2-88948) is a polyclonal antibody validated for use in IHC, WB, Flow, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	23657
<b>Gene Symbol</b>	SLC7A11
<b>Species</b>	Human
<b>Immunogen</b>	This xCT Antibody was prepared from a partial synthetic peptide made to an N-terminal portion of the human xCT protein (between amino acids 1-60) [UniProt Q9UPY5]

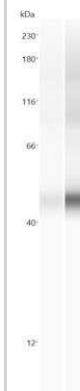
**Product Application Details**

<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot, Simple Western 25 ug/ml, Flow Cytometry, Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:200

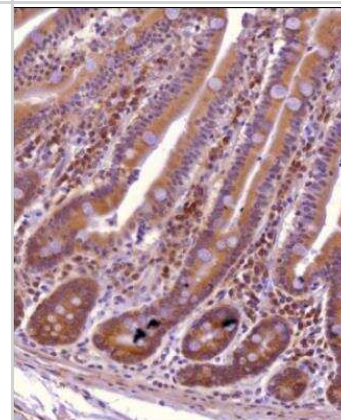


## Images

Simple Western: xCT Antibody [NBP2-88948] - Simple Western lane view shows a specific band for xCT using NBP2-88948 at 25 ug/ml in HeLa and HeLa + DEM cell lysates. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Immunohistochemistry-Paraffin: xCT Antibody [NBP2-88948] - Analysis of a FFPE tissue section of the human small intestine using 1:200 dilution of xCT antibody (NBP2-88948). The signal was developed using HRP-DAB method which followed counterstaining of the cells with hematoxylin. The antibody generated mainly cytoplasmic staining.



## Procedures

### **Immunohistochemistry-Paraffin Protocol for xCT Antibody (NBP2-88948)**

#### Immunohistochemistry-Paraffin Embedded Sections

##### Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes (keep slides in the sodium citrate buffer all the time).

##### Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in PBS for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1% BSA in PBS) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul HRP polymer conjugated secondary antibody. Incubate 30 minutes at room temperature.
7. Wash sections three times in wash buffer for 5 minutes each.
8. Add 100-400 ul DAB substrate to each section and monitor staining closely.
9. As soon as the sections develop, immerse slides in deionized water.
10. Counterstain sections in hematoxylin.
11. Wash sections in deionized water two times for 5 minutes each.
12. Dehydrate sections.
13. Mount coverslips.





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### **Products Related to NBP2-88948-0.1mg**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NB300-317PEP	xCT Antibody Blocking Peptide
NB300-318PEP	xCT Antibody Blocking Peptide

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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