Product Name: xCT Rabbit Monoclonal Antibody
Catalog #: AMRe83994

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.34mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:2000,ICC 1:50-1:200,IP 1:20-1:50
Molecular Weight	55 kDa

Antigen Information

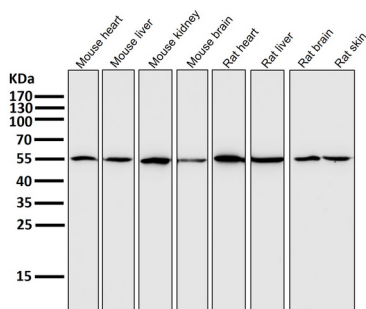|	
Gene Name	xCT
Alternative Names	CCBR1; Cysteine/glutamate transporter; SLC7A11; solute carrier family 7; xCT; ;xCT
Gene ID	
SwissProt ID	Q9UPY5
Immunogen	A synthesized peptide derived from human xCT

Background

Heterodimer with SLC3A2, that functions as an antiporter by mediating the exchange of extracellular anionic L-cystine and intracellular L-glutamate across the cellular plasma membrane.Provides L-cystine for the maintenance of the redox balance
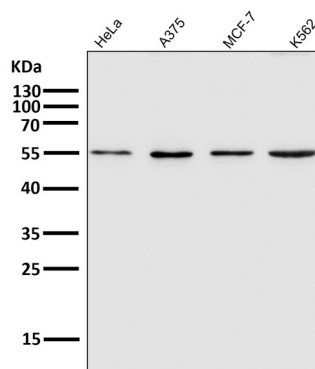
between extracellular L-cystine and L-cysteine and for the maintenance of the intracellular levels of glutathione that is essential for cells protection from oxidative stress.
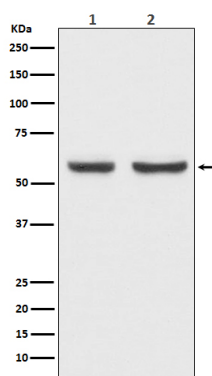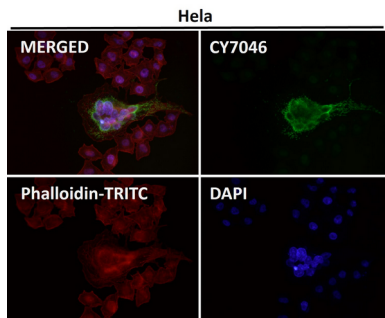
Research Area

Image Data

All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.
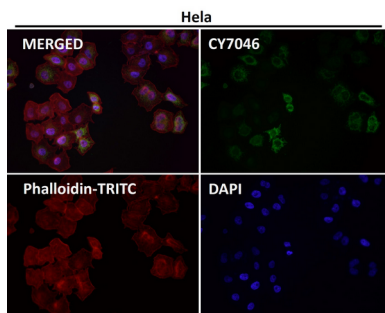

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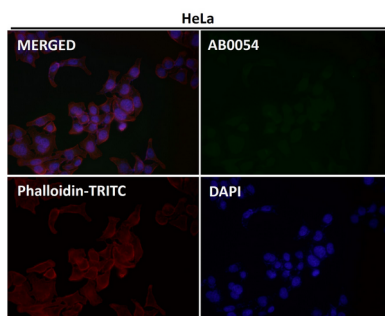

Western blot analysis of xCT expression in (1) HepG2 cell lysate; (2) Mouse brain lysate.
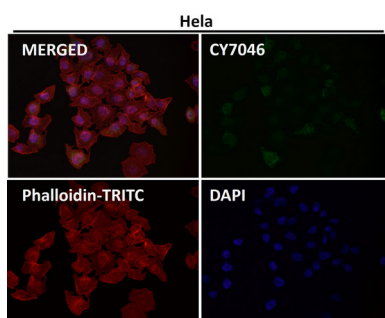
Hela
MERGED | CY7046
Phalloidin-TRITC | DAPI

Immunofluorescent analysis using the Antibody at 1:50 dilution.

Hela
MERGED | CY7046
Phalloidin-TRITC | DAPI

Immunofluorescent analysis using the Antibody at 1:50 dilution.

HeLa
MERGED | AB0054
Phalloidin-TRITC | DAPI

Immunofluorescent analysis using the Antibody at 1:150 dilution.

Hela
MERGED | CY7046
Phalloidin-TRITC | DAPI

Immunofluorescent analysis using the Antibody at 1:150 dilution.