

For Research Use Only

SLC7A11/xCT Recombinant antibody, PBS Only

Catalog Number: 82115-2-PBS



Basic Information

Catalog Number:

82115-2-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25431

GenBank Accession Number:

BC012087

GeneID (NCBI):

23657

UNIPROT ID:

Q9UPY5

Full Name:

solute carrier family 7, (cationic
amino acid transporter, y+ system)
member 11

Calculated MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

230227C5

Applications

Tested Applications:

IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

human

Background Information

SLC7A11 (also known as xCT) is a membrane transporter involved in the uptake of cystine. It promotes glutathione synthesis through the uptake of cystine and the concomitant release of glutamate. This, in turn, protects cells from oxidative stress, maintains cellular redox balance, and prevents cell death induced by lipid peroxidation. SLC7A11 has been identified as a potential target for cancer therapeutics. It is overexpressed in multiple malignant tumors and is closely associated with the growth, prognosis, metastasis, and treatment response of various cancers including lung cancer.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

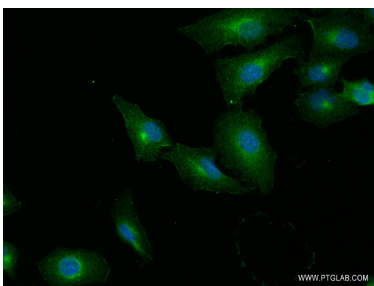
T: 4006900926

E: Proteintech-CN@ptglab.com

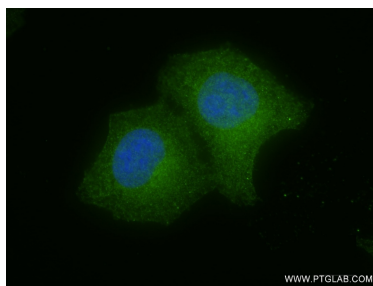
W: ptgcn.com

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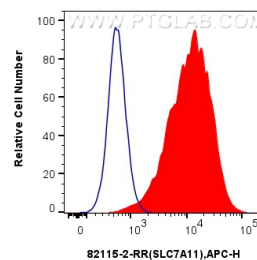
Selected Validation Data



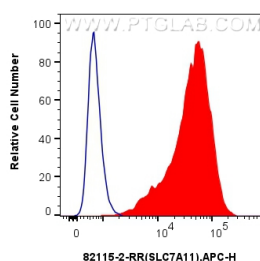
Immunofluorescent analysis of (4% PFA) fixed A549 cells using SLC7A11 antibody (82115-2-RR, Clone: 230227C5) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82115-2-PBS in a different storage buffer formulation.



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1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Anti-Human SLC7A11 (82115-2-RR, Clone:230227C5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82115-2-PBS in a different storage buffer formulation.



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