

For Research Use Only

SLC7A11/xCT Recombinant antibody, PBS Only

Catalog Number: 82115-2-PBS



Basic Information

Catalog Number: 82115-2-PBS	GenBank Accession Number: BC012087	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 23657	CloneNo.: 230227C5
Source: Rabbit	UNIPROT ID: Q9UPY5	
Isotype: IgG	Full Name: solute carrier family 7, (cationic amino acid transporter, y+ system) member 11	
Immunogen Catalog Number: AG25431	Calculated MW: 55 kDa	

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.

Storage Buffer:
PBS Only

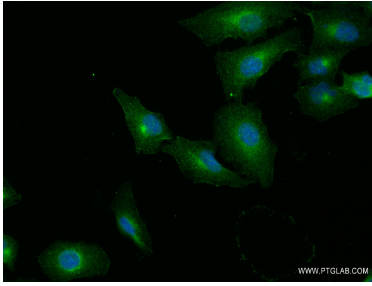
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

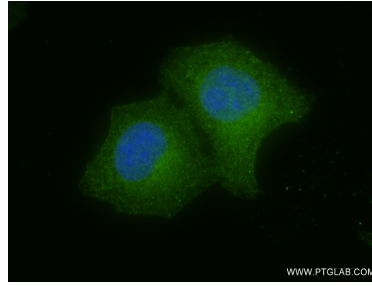
E: proteintech@ptglab.com
W: ptglab.com

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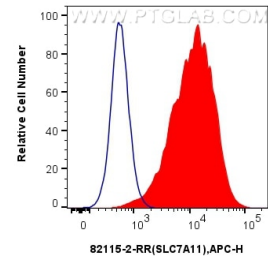
Selected Validation Data



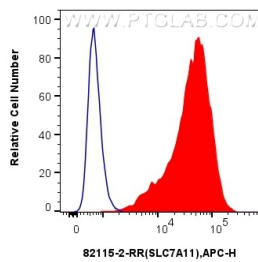
Immunofluorescent analysis of (4% PFA) fixed A549 cells using SLC7A11 antibody (82115-2-RR, Clone: 230227C5) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82115-2-PBS in a different storage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



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1×10^6 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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