

For Research Use Only

CoraLite® Plus 488-conjugated ZIP7 Polyclonal antibody



Catalog Number: CL488-19429

Featured Product

Basic Information

Catalog Number:

CL488-19429

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13762

GenBank Accession Number:

BC000645

GeneID (NCBI):

7922

UNIPROT ID:

Q92504

Full Name:

solute carrier family 39 (zinc transporter), member 7

Calculated MW:

469 aa, 50 kDa

Observed MW:

45-50 kDa, 56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF : HEK-293 cells,

Background Information

ZIP7 is a functional zinc transporter transporting zinc from the Golgi apparatus to the cytoplasm of the cell. ZIP7 is post-translationally regulated by CK2-mediated phosphorylation. This ZIP7 phosphorylation results in zinc release from intracellular stores, which activates multiple tyrosine kinases and regulate cell survival and proliferation. Dual bands of 50 kDa and 56 kDa detected by this antibody may represent the native and phosphorylated forms of ZIP7, respectively. (PMID: 28232492, 28205653)

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

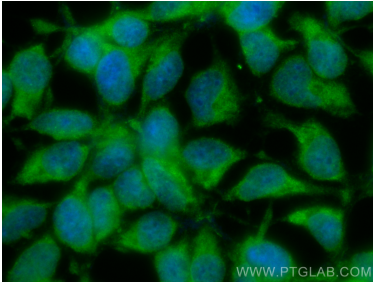
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using CoraLite® Plus 488 ZIP7 antibody (CL488-19429) at dilution of 1:200.