

For Research Use Only

CoraLite® Plus 488-conjugated NIT2 Monoclonal antibody



Catalog Number: CL488-68169

Basic Information

Catalog Number: CL488-68169	GenBank Accession Number: BC020620	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 56954	CloneNo.: 1E5B1
Source: Mouse	UNIPROT ID: Q9NQR4	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: nitrilase family, member 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG9889	Calculated MW: 276 aa, 31 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : U-251 cells,
Species Specificity: Human, mouse, rat, pig	

Background Information

NIT2 belongs to a branch of the nitrilase superfamily of enzymes that cleave carbon-nitrogen bonds. NIT2 functions as an omega-amidase and catalyzes hydrolysis of alpha-ketoglutaramate, forming alpha-ketoglutarate and ammonia. This reaction is also functionally coupled with a subset of transaminases that reaminate the keto acid analogs of some essential amino acids, most particularly methionine and phenylalanine.

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:

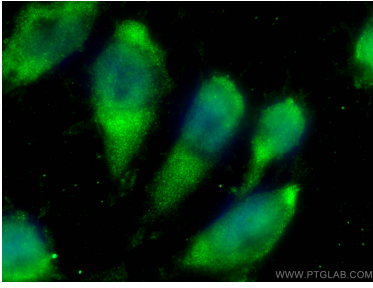
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using CoraLite® Plus 488 NIT2 antibody (CL488-68169, Clone: 1E5B1) at dilution of 1:200.