

For Research Use Only

CoraLite® Plus 488-conjugated MATR3 Polyclonal antibody



Catalog Number: CL488-12202

Basic Information

Catalog Number: CL488-12202	GenBank Accession Number: BC015031	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9782	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: matrin 3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 847 aa, 95 kDa	
Immunogen Catalog Number: AG2843	Observed MW: 125 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HEK-293 cells,
Species Specificity: human, mouse, rat	

Background Information

MATR3, known as KIAA0723, is a 847 amino acid protein, which may play a role in transcription or may interact with other nuclear matrix proteins to form the internal fibrogranular network. MATR3 was originally identified as a nuclear matrix protein containing both DNA and RNA binding domains (PMID: 2033075) with a wide variety of functions ranging from DNA damage response to transcriptional and post-transcriptional regulation of cellular and viral RNAs (PMID: 21771346). The calculated molecular weight of MATR3 is 94 kDa, but we detect a 125 kDa protein as a result from PMID: 28977530.

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

*** 20ul sizes contain 0.1% BSA

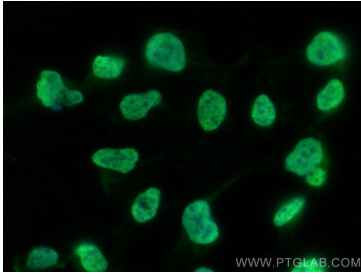
For technical support and original validation data for this product please contact:

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

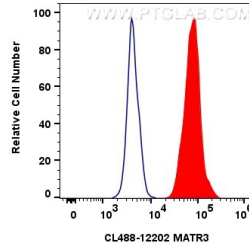
E: proteintech@ptglab.com
W: ptglab.com

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 (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 MATR3 antibody (CL488-12202) at dilution of 1:200.



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human MATR3 (CL488-12202) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.