

For Research Use Only

# CoraLite® Plus 488-conjugated PADI2 Monoclonal antibody



Catalog Number: **CL488-66386**

Featured Product

## Basic Information

Catalog Number:

CL488-66386

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17612

GenBank Accession Number:

BC009701

GeneID (NCBI):

11240

UNIPROT ID:

Q9Y2J8

Full Name:

peptidyl arginine deiminase, type II

Calculated MW:

665 aa, 75 kDa

Purification Method:

Protein A purification

CloneNo.:

2D8C12

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

## Background Information

PADI2, also named as KIAA0994, PDI2, PAD-H19 and PAD2(Peptidylarginine deiminase II), belongs to the protein arginine deiminase family. It catalyzes the deimination of arginine residues of proteins. PADI2 may play a regulatory role in the expression of lactation related genes via histone citrullination during diestrus (PMID:20668670). PADI2 has two isoforms with MW 75 kDa and 49 kDa. This antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

## 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:

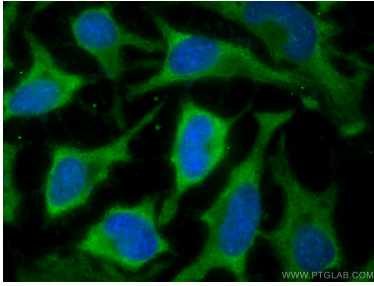
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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 (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 PADI2 antibody (CL488-66386, Clone: 2D8C12 ) at dilution of 1:200.