

For Research Use Only

# PADI2 Monoclonal antibody, PBS Only



Catalog Number: 66386-1-PBS

Featured Product

## Basic Information

Catalog Number:

66386-1-PBS

Size:

1 mg/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

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

2D8C12

## Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

human, mouse, rat, rabbit, pig

## 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.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

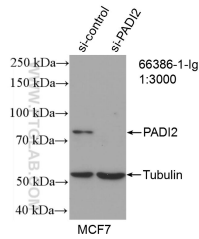
T: 4006900926

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

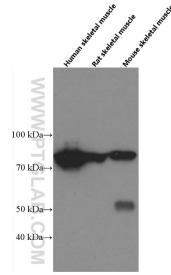
W: [ptgcn.com](http://ptgcn.com)

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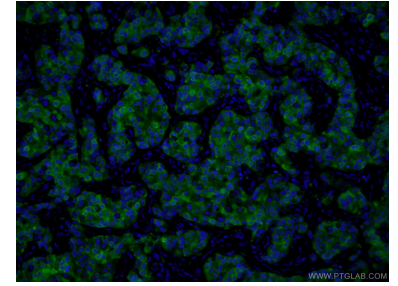
## Selected Validation Data



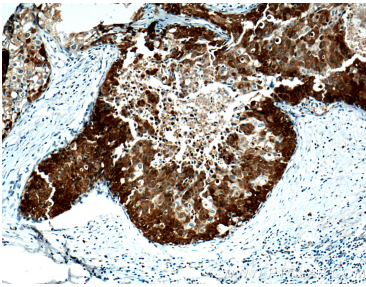
WB result of PADI2 antibody (66386-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PADI2 transfected MCF-7 cells. This data was developed using the same antibody clone with 66386-1-PBS in a different storage buffer formulation.



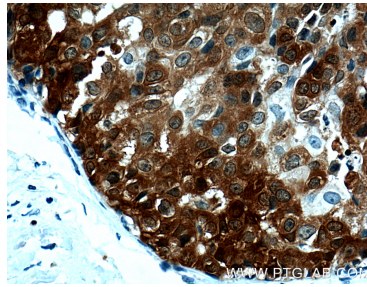
human skeletal muscle tissue, rat skeletal muscle tissue, mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66386-1-Ig (PADI2 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66386-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 66386-1-Ig (PADI2 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66386-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66386-1-Ig (PADI2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66386-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66386-1-Ig (PADI2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66386-1-PBS in a different storage buffer formulation.