

For Research Use Only

PADI2 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 66386-1-PBS

Featured Product



Basic Information

Catalog Number:

66386-1-PBS

Size:

1mg/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, IHC, IF-P, Cytometric bead array, Indirect ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

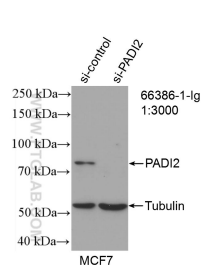
T: 4006900926

E: Proteintech-CN@ptglab.com

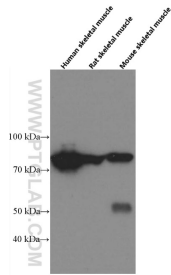
W: ptgcn.com

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

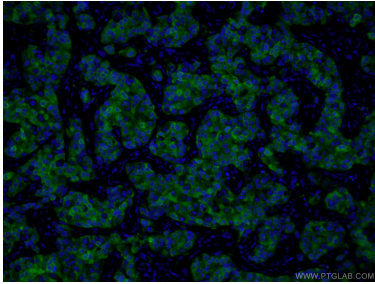
Selected Validation Data



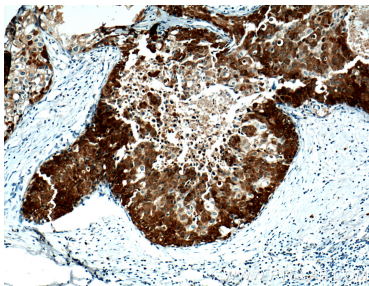
WB result of PADI2 antibody (66386-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PADI2 transfected MCF-7 cells. This data was developed using the same antibody clone with 66386-1-PBS in a different storage buffer formulation.



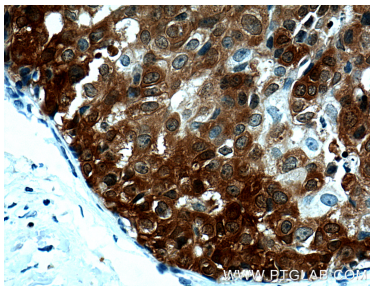
human skeletal muscle tissue, rat skeletal muscle tissue, mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66386-1-Ig (PADI2 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66386-1-PBS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



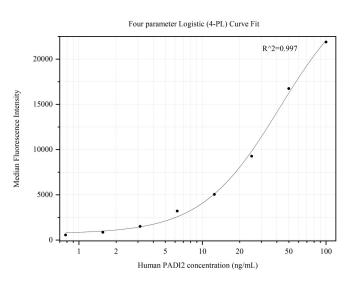
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 66386-1-Ig (PADI2 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66386-1-PBS in a different storage buffer formulation.



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.



Cytometric bead array standard curve of MP50376-2, PADI2 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66386-1-PBS. Detection antibody: 66386-3-PBS. Standard:Ag17612. Range: 0.781-100 ng/mL