

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PADI4



Numéro de catalogue: 17373-1-AP

Phare

24 Publications

Informations de base

Numéro de catalogue:

17373-1-AP

Taille:

150ul, Concentration: 860 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG11068

Numéro d'acquisition GenBank:

BC025718

Identification du gène (NCBI):

23569

Nom complet:

peptidyl arginine deiminase, type IV

MW calculé

663 aa, 74 kDa

MW observés:

67 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:6000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : cellules HEK-293, cellules C6, cellules HepG2, cellules RAW 264.7, protéine purifiée

IP : tissu splénique de souris,

IHC : tissu de cancer du sein humain, tissu d'amygdalite humaine, tissu de cancer du foie humain

IF : cellules A549,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

PADI4, also named as PADI5 and PDI5, catalyzes the citrullination/deimination of arginine residues of proteins such as histones, thereby playing a key role in histone code and regulation of stem cell maintenance. PADI4 is expressed in hematologic and rheumatoid arthritis synovial tissues. PADI4 haplotype associated with susceptibility to rheumatoid arthritis increases production of citrullinated peptides, leading, in a cytokine-rich milieu, to a break in tolerance to citrullinated peptides processed and presented in the appropriate HLA context. Immunohistochemistry detected significant PADI4 expression in various malignancies and PADI4 expression was not detected in non-tumor tissues. (PMID: 19183436)

Publications notables

Autrice	Pubmed ID	Journal	Application
Xinyan Wu	34721438	Front Immunol	WB
Szilvia Török	34884536	Int J Mol Sci	WB
Atsumu Osada	33238047	Clin Exp Immunol	IHC, IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

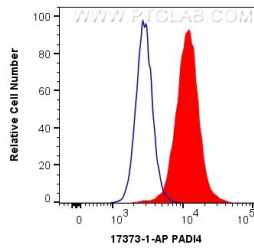
For technical support and original validation data for this product please contact:

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

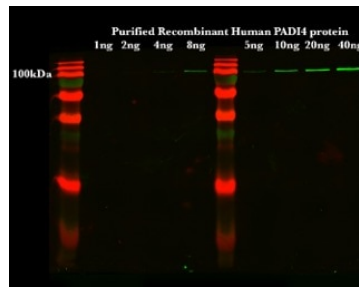
E: proteintech@ptglab.com
W: ptglab.com

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

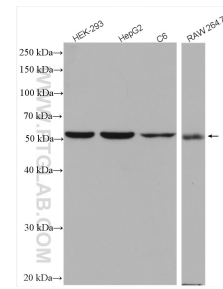
Données de validation sélectionnées



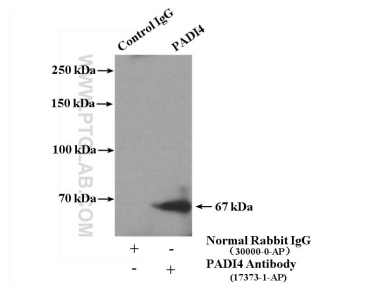
1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human PADI4 (17373-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



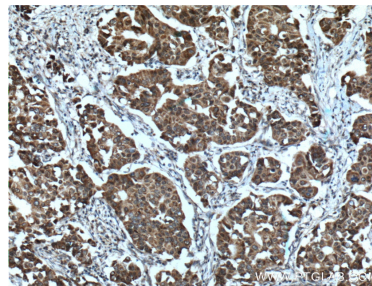
WB result of PADI4 antibody (17373-1-AP) with purified protein by T.J. Hollingsworth, Ph.D., University of Tennessee Health Sciences Center.



Various lysates were subjected to SDS PAGE followed by western blot with 17373-1-AP (PADI4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

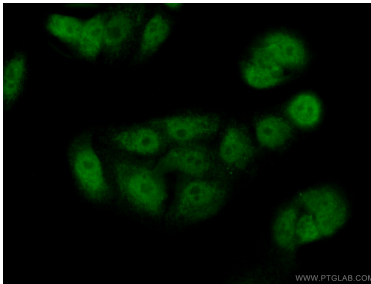


IP Result of anti-PADI4 (IP:17373-1-AP, 4ug; Detection:17373-1-AP 1:500) with mouse spleen tissue lysate 4800ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17373-1-AP (PADI4 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17373-1-AP (PADI4 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed A549 cells using 17373-1-AP (PADI4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).