

Nur für Forschungszwecke

PADI4 Polyklonaler Antikörper

Katalog-Nr.:17373-1-AP

Vorgestelltes Produkt

22 Publikationen



Allgemeine Informationen

Katalog-Nr.: 17373-1-AP	GenBank-Zugangsnummer: BC025718	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 860 µg/ml von Nanodrop;	GeneID (NCBI): 23569	Empfohlene Verdünnungen: WB 1:1000-1:6000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: peptidyl arginine deiminase, type IV	IHC 1:50-1:500 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 663 aa, 74 kDa	
Immunogen Katalognummer: AG11068	Beobachtete Masse: 67 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB: HEK-293-Zellen, C6-Zellen, HepG2-Zellen, RAW 264.7-Zellen

IP: Mausmilzgewebe,

IHC: humanes Mammakarzinomgewebe, humanes Leberkarzinomgewebe, humanes Tonsillitisgewebe

IF: A549-Zellen,

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

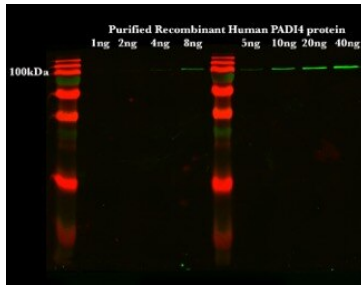
For technical support and original validation data for this product please contact:

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

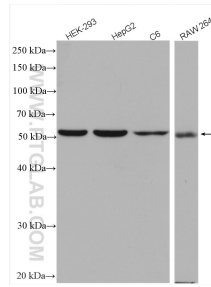
E: proteintech@ptglab.com
W: ptglab.com

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

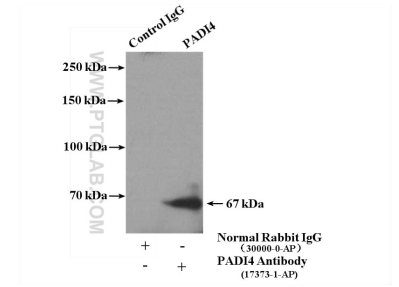
Ausgewählte Validierungsdaten



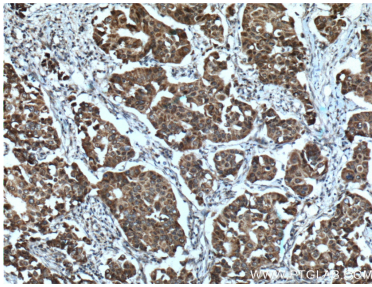
WB result of PADI4 antibody (17373-1-AP) with purified protein by T.J. Hollingsworth, Ph.D., University of Tennessee Health Sciences Center.



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.



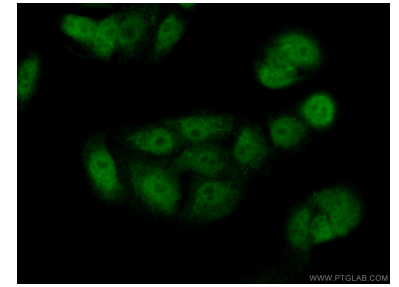
IP Result of anti-PADI4 (IP:17373-1-AP, 4ug; Detection:17373-1-AP 1:500) with mouse spleen tissue lysate 4800ug.



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).