

For Research Use Only

PADI2 Polyclonal antibody

Catalog Number: 29169-1-AP



Basic Information

Catalog Number: 29169-1-AP	GenBank Accession Number: BC009701	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 11240	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: peptidyl arginine deiminase, type II	
Isotype: IgG	Calculated MW: 665 aa, 75 kDa	
Immunogen Catalog Number: AG29042	Observed MW: 75 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB : mouse skeletal muscle tissue, rat brain tissue IHC : human kidney tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

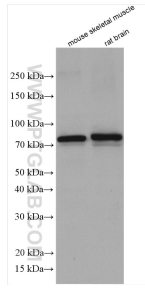
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

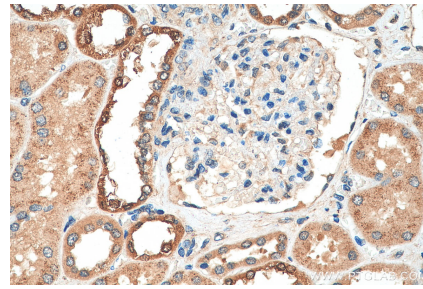
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29169-1-AP (PADI2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 29169-1-AP (PADI2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).