

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: 400 µg/ml	GeneID (NCBI): 11240	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y2J8	
Isotype: IgG	Full Name: peptidyl arginine deiminase, type II	
Immunogen Catalog Number: AG29042	Calculated MW: 665 aa, 75 kDa 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	

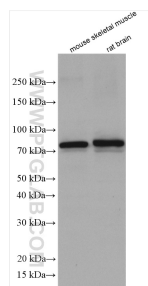
Background Information

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.

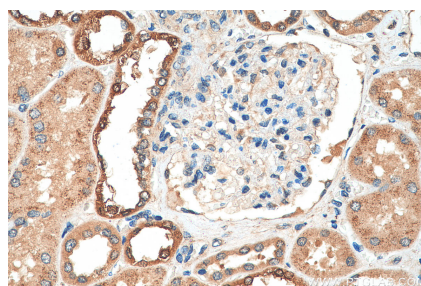
Storage

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

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).