

## PADI2 Polyclonal Antibody

Catalog number: 12110-1-AP

Size: 20 µg/150 µl

Source: Rabbit

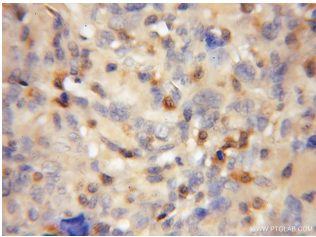
Isotype: IgG

Synonyms:

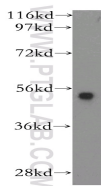
PADI2; KIAA0994, PAD H19,

PAD2, PADI2, PDI2,

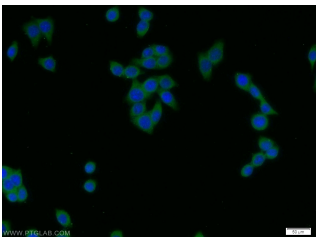
Peptidylarginine deiminase II



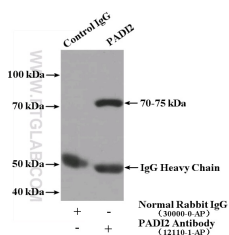
Immunohistochemical of paraffin-embedded human gliomas using 12110-1-AP (PADI2 antibody) at dilution of 1:50 (under 10x lens)



BxPC-3 cells were subjected to SDS PAGE followed by western blot with 12110-1-AP (PADI2 antibody) at dilution of 1:300



Immunofluorescent analysis of BxPC-3 cells using 12110-1-AP ( PADI2 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP Result of anti-PADI2  
(IP:12110-1-AP, 3µg;

### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Canine, human, mouse
Calculated PADI2 MW:	665aa, 75 kDa
Observed PADI2 MW:	49 kDa; 70-75 kDa
Positive WB detected in	BxPC-3 cells, mouse brain tissue, rat brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human gliomas tissue, human breast cancer tissue, human kidney tissue
Positive IF detected in	BxPC-3 cells, HeLa cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:1000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2755
GenBank accession number:	BC009701
Gene ID (NCBI):	11240
Full name:	Peptidyl arginine deiminase, type II

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Detection:12110-1-AP 1:300)  
with mouse brain tissue lysate  
3600ug.