



Anti-PADI4 (aa 2-110) polyclonal antibody (DPAB-DC1121)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response.
Immunogen	PADI4 (NP_004247, 2 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is AQGTILIRVTPEQPTHAVCVLGTLTQLDICSSAPEDCTSF SINASPGVVVDIAHSPPAKKK STGSSTWPLDPGVEVTMTMKAASGSTGDQKVQISYYGPKTPPVKALLYL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [PADI4 peptidyl arginine deiminase, type IV \[Homo sapiens \(human\) \]](#)

Official Symbol	PADI4
Synonyms	PADI4; peptidyl arginine deiminase, type IV; PAD; PAD4; PDI4; PDI5; PADI5; protein-arginine deiminase type-4; HL-60 PAD; PADI-H protein; protein-arginine deiminase type IV; peptidyl arginine deiminase, type V;
Entrez Gene ID	23569
Protein Refseq	NP_036519
UniProt ID	Q9UM07
Chromosome Location	1p36.13
Pathway	protein citrullination;
Function	arginine deiminase activity; calcium ion binding; protein binding; protein-arginine deiminase activity