

Product datasheet for **AP12282PU-N**

PADI4 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human PAD4.
Specificity:	This antibody detects PAD4 (C-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	peptidyl arginine deiminase 4
Database Link:	Entrez Gene 23569 Human Q9UM07



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Background:

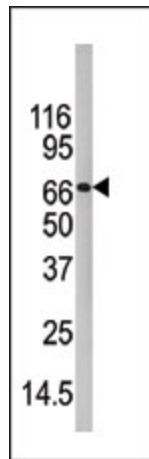
PAD4 is a member of a family of enzymes responsible for the conversion of arginine residues to citrulline residues via catalyzation of the deimination of the arginine residues. PAD4 down-regulates histone H3 and H4 arginine methylation, both by preventing arginine methylation by CARM1 and HRMT1L2/PRMT1 and by converting methylarginine to citrulline. This protein may play a role in granulocyte and macrophage development leading to inflammation and immune response.

Synonyms:

PDI4, PAD4, PDI5, PADI5, PADI-H, HL-60 PAD

Note:

Molecular weight: 74095 Da

Product images:

Western blot analysis of anti-PAD4 Pab in 293 cell line lysate. PAD4 (arrow) was detected using the purified Pab.