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Datasheet

PADI4 polyclonal antibody

Catalog Number: PAB2519

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of PADI4.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PADI4.

Host: Rabbit

Reactivity: Human

Applications: WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Ammonium sulfate precipitation

Recommend Usage: Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 23569

Gene Symbol: PADI4

Gene Alias: PAD, PAD4, PADI5, PDI4, PDI5

Gene Summary: 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. [provided by RefSeq]

References:

1. Comparison of enzymatic properties between hPADI2 and hPADI4. Nakayama-Hamada M, Suzuki A, Kubota K, Takazawa T, Ohsaka M, Kawaida R, Ono M, Kasuya A, Furukawa H, Yamada R, Yamamoto K. Biochem Biophys Res Commun. 2005 Feb 4;327(1):192-200.
2. Human PAD4 regulates histone arginine methylation levels via demethylimination. Wang Y, Wysocka J, Sayegh J, Lee YH, Perlin JR, Leonelli L, Sonbuchner LS, McDonald CH, Cook RG, Dou Y, Roeder RG, Clarke S, Stallcup MR, Allis CD, Coonrod SA. Science. 2004 Oct 8;306(5694):279-83. Epub 2004 Sep 2.
3. A functional haplotype of the PADI4 gene associated with rheumatoid arthritis in a Japanese population is not associated in a United Kingdom population. Barton A, Bowes J, Eyre S, Spreckley K, Hinks A, John S, Worthington J. Arthritis Rheum. 2004 Apr;50(4):1117-21.