
PADI4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250811

Unit: 0.1 mg

Description:

Protein-arginine deiminase type-4 (PADI4) catalyzes the citrullination/deimination of arginine residues of proteins. PADI4 down-regulates histone H3 and H4 arginine methylation, both by preventing arginine methylation by CARM1 and HRMT1L2/PRMT1 and by converting methylarginine to citrulline. PADI4 is expressed in eosinophils and neutrophils but is not expressed in peripheral monocytes or lymphocytes. PADI4 is a rheumatoid arthritis susceptibility locus due to its important role in increasing citrullination of proteins in rheumatoid arthritis synovial tissues leading to a break in tolerance to citrullinated peptides processed and presented in the appropriate HLA context.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: PADI4; PAD4; Protein-arginine deiminase type IV; Protein-arginine deiminase type-4; Peptidylarginine deiminase IV; HL-60 PAD; PADI4

Accession No.: Q9UM07

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PADI4.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.