

**Anti-Human PADI4 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA12555**

---

3th Edition

**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. PADI4 plays a role in the epigenetics, the deimination of arginines on histones 3 and 4 can act antagonistically to arginine methylation. The protein may be found in oligomers and binds 5 calcium ions per subunit. It catalyses the reaction: Protein L-arginine + H<sub>2</sub>O = protein L-citrulline + NH<sub>3</sub>.

**Antigen:** Recombinant protein of human PADI4

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Expressed in eosinophils and neutrophils, not expressed in peripheral monocytes or lymphocytes.