



Rabbit Anti-PADI1 / PAD1 antibody

SL20000R

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| Product Name: | PADI1 / PAD1 |
| Chinese Name: | 蛋白质精氨酸亚型1抗体 |
| Alias: | HPAD10; Padi1; PADI1_HUMAN; PDI; PDI1; Peptidylarginine deiminase I; protein arginine deiminase type I; Protein-arginine deiminase type I; Protein-arginine deiminase type-1. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 75kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human PADI1 / PAD1:431-512/512 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | This gene encodes a member of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The family members have distinct substrate specificities and tissue-specific expression patterns. The type I enzyme is involved in the late stages of epidermal differentiation, where it deiminates |

filaggrin and keratin K1, which maintains hydration of the stratum corneum, and hence the cutaneous barrier function. This enzyme may also play a role in hair follicle formation. This gene exists in a cluster with four other paralogous genes. [provided by RefSeq, Jul 2008]

Function:

Catalyzes the deimination of arginine residues of proteins.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Epidermis, prostate, testis, placenta, spleen and thymus.

Similarity:

Belongs to the protein arginine deiminase family.

SWISS:

Q9ULC6

Gene ID:

29943

Database links:

[Entrez Gene: 29943](#) Human

[Omim: 607934](#) Human

[SwissProt: Q9ULC6](#) Human

[Unigene: 412941](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.