

# PADI1 Rabbit Polyclonal Antibody



**CAB10145**

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

65kDa

### Calculated MW:

74kDa

### Applications:

WB

### Reactivity:

Human, Mouse

## Antibody Information

### Recommended dilutions:

WB 1:200 - 1:1000

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

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.

## Immunogen information

### Gene ID:

29943

### Uniprot

Q9ULC6

### Synonyms:

PADI1; HPAD10; PAD1; PDI; PDI1

### Immunogen:

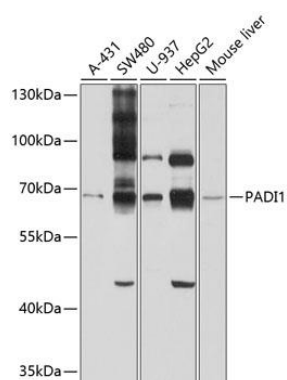
Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human PADI1 (NP\_037490.2).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using PADI1 antibody (CAB10145) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.