

PADI1 Rabbit pAb

Catalog No.: A10145

Basic Information

Catalog No.

A10145

Observed MW

65kDa

Calculated MW

74kDa

Category

Primary antibody

Applications

WB

Cross-Reactivity

Human, Mouse

Recommended Dilutions

WB 1:200 - 1:1000

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

Swiss Prot

Q9ULC6

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human PADI1 (NP_037490.2).

Synonyms

PADI1;HPAD10;PAD1;PDI;PDI1

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

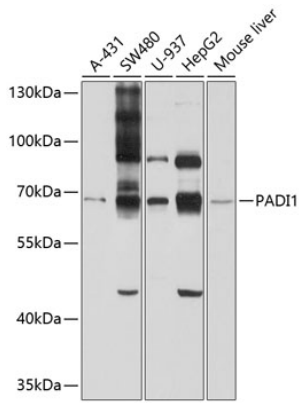
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using PADI1 antibody (A10145) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.