

PADI3 / PAD3 Rabbit pAb

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Catalog # AP57601

Product Information

Application	WB
Primary Accession	Q9ULW8
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74743
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PADI3 / PAD3
Epitope Specificity	1-100/664
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 III enzyme modulates hair structural proteins, such as filaggrin in the hair follicle and trichohyalin in the inner root sheath, during hair follicle formation. Together with the type I enzyme, this enzyme may also play a role in terminal differentiation of the epidermis. This gene exists in a cluster with four other paralogous genes. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	51702
Other Names	Protein-arginine deiminase type-3, 3.5.3.15, Peptidylarginine deiminase III, Protein-arginine deiminase type III, PADI3, PAD3, PDI3
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

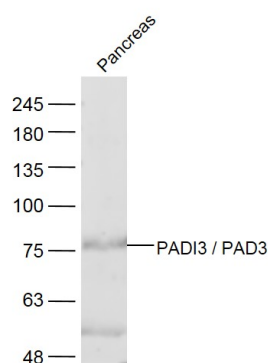
Protein Information

Name	PADI3
Synonyms	PAD3, PDI3
Function	Catalyzes the deimination of arginine residues of proteins.
Cellular Location	Cytoplasm.
Tissue Location	Hair follicles, and epidermis at very low levels.

Background

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Images



Sample:
Pancreas (Mouse) Lysate at 40 ug
Primary: Anti-PADI3 / PAD3 (AP57601) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 75 kD
Observed band size: 75 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.