

Rabbit anti-Human, Mouse PADI1 Polyclonal Antibody | anti-PADI1 antibody

PADI1 Polyclonal Antibody

CATALOG # AAA280742	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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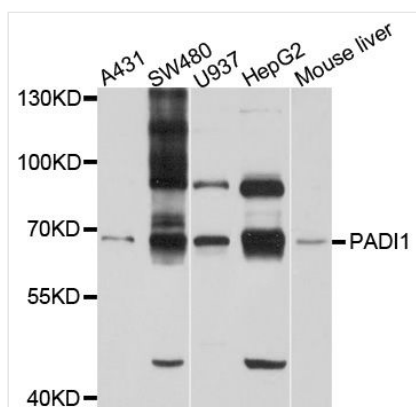
PRODUCT SYNONYMS

PADI1; Polyclonal Antibody; PADI1 Polyclonal Antibody; HPAD10;PADI1;PDI;PDI1; anti-PADI1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	663
Applicable Applications for anti-PADI1 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human PADI1
Category	Primary antibody
Observed MW	65kDa
Calculated MW	74kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PADI1 antibody	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
Product Categories/Family for anti-PADI1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	122056685
NCBI GeneID	29943
NCBI Accession #	NP_037490.2
NCBI GenBank Nucleotide #	NM_013358.2
UniProt Accession #	Q9ULC6; Q70SX6; A1L4K6
NCBI Official Full Name	protein-arginine deiminase type-1
NCBI Official Synonym Full Names	peptidyl arginine deiminase 1
NCBI Official Symbol	PADI1
NCBI Official Synonym Symbols	PDI; PAD1; PDI1; HPAD10
NCBI Protein Information	protein-arginine deiminase type-1
UniProt Protein Name	Protein-arginine deiminase type-1
UniProt Gene Name	PADI1
UniProt Synonym Gene Names	PAD1; PDI1
UniProt Entry Name	PADI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.