

Rabbit anti-Human PADI1/PAD1 Monoclonal Antibody | anti-PADI1 antibody

PADI1/PAD1 Rabbit mAb

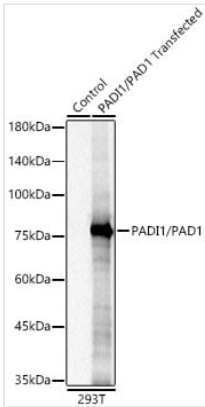
CATALOG # AAA283035	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PADI1/PAD1; Monoclonal Antibody; PADI1/PAD1 Rabbit mAb; PADI1; HPAD10; PAD1; PDI; PDI1; peptidyl arginine deiminase 1; anti-PADI1 antibody

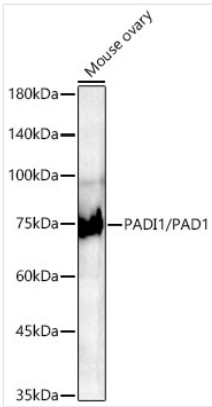
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MAPKRVVQLS LKMPTHAVCV VGVEAHVDIH SDVPGKANSF RVSGSSGVEV FMVYNRTRVK EPIGKARWPL DTDADMVVSV GTASKELKDF KVRVSYFGEQ EDQALGRSVL YLTGVDISLE VDTGRTGKVK RSQGDKKTWR WGPEGYGAIL LVNCDRDNHR SAEPDLTHSW LMSLADLQDM SPMLLSCNGP DKLFDSHKL VLNVPFSDSKR VRVFCARGGN SLSDYKQVLG PQCLSYEVER QPGEQEIKFY VEGLTFPDAD FLGLVSLSVS LVDPGTL
Applicable Applications for anti-PADI1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-277 of human PADI1/PAD1(NP_037490.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



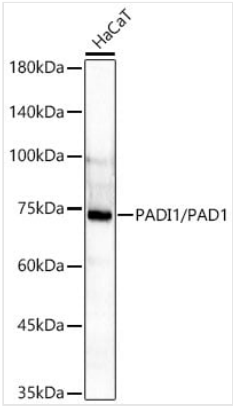
WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293T cells transfected with PADI1/PAD1 using PADI1/PAD1 Rabbit mAb (AAA283035) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 20 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020)Exposure time: 1 s.



WB (Western Blot)

Western blot analysis of lysates from Mouse ovary using PADI1/PAD1 Rabbit mAb (AAA283035) at 1:1400 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020)Exposure time: 60 s.



WB (Western Blot)

Western blot analysis of lysates from HaCaT cells using PADI1/PAD1 Rabbit mAb (AAA283035) at 1:1000 dilution.Secondary antibody: HRP-conjugated 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.

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	Epigenetics & Nuclear Signaling ; Cancer ; Signal Transduction ; Endocrine & Metabolism ; Amino acid metabolism ; Antibodies

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
Molecular Weight	Calculated MW: 74kDa Observed MW: 75kDa
UniProt Protein Name	Protein-arginine deiminase type-1
UniProt Gene Name	PADI1
UniProt Synonym Gene Names	PAD1; PDI1

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/padi1-pad1-antibody-western-blot-elisa/283035>