

DNAXPAb

Hard-to-Find
Antibody

PADI1 DNAXPab

Catalog # H00029943-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PADI1 DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence MAPKRVVQLSLKMPHAVCVVGVEAHVDIHSDVPKGANSFRVSGSSGVEVFMVYNRTRVKEPIG
KARWPLDTDADMVSVSGTASKELKDFKVRVSYFGEQEDQALGRSVLYLTGVDISLEVDTGRTGK
VKRSQGDKKTWRWGPEGYGAILLVNCDRDNHRSAPDLTHSWLMSLADLQDMSPMLLSCNGP
DKLFDHKLVLNVPFSDSKRVRVFCARGGNSLSDYKQVLGPQCLSYEVERQPGEQEIKFYVEGL
TFPDADFLGLVSLVSLVDPGTLPEVTLFTDTVGFRMAPWIMTPNTQPPEELYVCRVMDTHGSNE
KFLEDMSYTLKANCKLTICQVENRNRWQDEMEFGYIEAPHSFPVVFDSPRNRGLKDFPYK
RILGPDFGYVTREIPLPGPSSLDSFGNLDVSPPVTVGGTEYPLGRILIGSSFPSGGRQMARAVRN
FLKAQQVQAPVELYSDWLSVGHVDEFLTFTVPTSDQKGFRLLASPSACKLFQEKKEEGYGEAA
QFDGLKHQAKRSINEMADRHLQRDNLHAQKCIDWNRNVLKRELGLAESDMDIPQLFFLKNFYAE
AFFPDMVMNVVLGKYLGIKPYGPIINGRCCLEEKVQSLLEPLGLHCIFIDDYLSYHELQGEIHCCTN
VRRKPFPPFKWWNMVP

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PADI1

Entrez GeneID [29943](#)

GeneBank Accession# [HQ258487.1](#)

Protein Accession# [ADR83241.1](#)

Gene Name PADI1

Gene Alias HPAD10, PAD1, PDI, PDI1

Gene Description peptidyl arginine deiminase, type I

Omim ID [607934](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000002401|hPAD-colony 10|peptidylarginine deiminase type II|protein-arginine deiminase type-1