

MaxPab®

PADI1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00029943-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PADI1 protein.
Immunogen	PADI1 (ADR83241.1, 1 a.a. ~ 663 a.a) full-length human protein.
Sequence	MAPKRVVQLSLKMPHACVVGVEAHVDIHSDVPKGANSFRVSGSSGVEVFMVYNRTRVKEPIG KARWPLDTDADMVSVGTASKELKDFKVRVSYFGEQEDQALGRSVLYLTGVDISLEVDTGRTGK VKRSQGDKKTWRWGPEGYGAILLVNCDRDNHRSAEPDLTHSWLMSLADLQDMSPMLLSCNGP DKLFDSHKLVLNVPFSDSKRVRVFCARGGNSLSDYKQVLGPQCLSYEVERQPGEQEIKFYVEGL TFPDADFLGLVSLSVSLVDPGTLPEVTLFTDTVGFMAPWIMTPNTQPPEELYVCRVMDTHGSNE KFLEDMSYTLKANCKLTICPQVENRNDRWIQDEMEFGYIEAPHKSFPVVFDSPPNRGLKDFPYK RILGPDFGYVTREIPLPGPSSLSDFGNLDVSPPVTVGGTEYPLGRILIGSSFPSGGRQMARAVRN FLKAQQVQAPVELYSDWLSVGHVDEFLTFTVPTSDQKGFRLLLASPSACLKLFQEKKEEGYGEAA QFDGLKHQAKRSINEMLADRHLQRDNLHAQKCIDWNRNVLKRELGLAESDMDIPQLFFLKNFYAE AFFPDMVMNMVVLGKYLGIKPYGPIINGRCCLEEKVQSLLEPLGLHCIFIDYLSYHELQGEIHCNTN VRRKPFPPFKWWNMVP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (76)
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](#)

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