

PADI3 rabbit monoclonal antibody

Catalog # H00051702-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PADI3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PADI3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PADI3 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PADI3

Entrez GeneID [51702](#)

GeneBank Accession# [PADI3](#)

Gene Name PADI3

Gene Alias MGC126307, MGC126308, PAD3, PDI3

Gene Description peptidyl arginine deiminase, type III

Omim ID [606755](#)

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 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]

Other Designations OTTHUMP00000002484|peptidylarginine deiminase type III|protein-arginine deiminase type III