

Rabbit anti-Human PADI3/PAD3 Polyclonal Antibody | anti-PADI3 antibody

Anti-PADI3/PAD3 Antibody, Rabbit Polyclonal

CATALOG # AAA256344	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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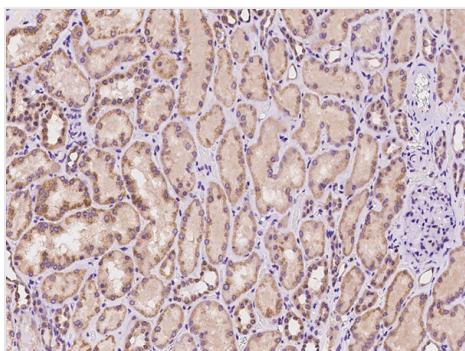
PRODUCT SYNONYMS

PADI3/PAD3; Polyclonal Antibody; Anti-PADI3/PAD3 Antibody; Rabbit Polyclonal; PADI3 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-PAD3 Antibody; Anti-PDI3 Antibody; anti-PADI3 antibody

PRODUCT SPECIFICATIONS

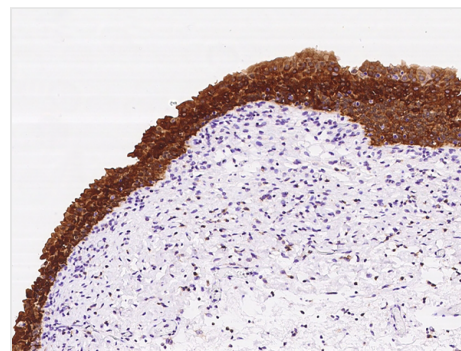
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PADI3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PADI3 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PADI3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PADI3 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human PADI3 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PADI3 in human urinary bladder with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PADI3 antibody	The peptidylarginine deiminases (PADs) catalyse the conversion of protein-bound arginine into citrulline (deimination), a critical reaction in the pathophysiology of multiple sclerosis, Alzheimer's disease and rheumatoid arthritis, and in the metabolism of the major epidermal barrier protein filaggrin, a strong predisposing factor for atopic dermatitis. PADs are encoded by 5 clustered PADI genes (1p35-6). Human peptidylarginine deiminase type III gene (PADI3) encodes a crucial post-translational modification enzyme that converts protein-bound arginine residues into citrulline residues. Its expression is restricted to a few cell types, including keratinocytes in the granular layer of the epidermis and the inner root sheath of hair follicles. In these cells, the enzyme is involved in terminal processing of intermediate filament-binding proteins such as filaggrin and trichohyalin. PADI3 is weakly expressed in colon cancer tissues and highly expressed in adjacent colon cancer tissues.
References	Olivares-Martinez E, et al. (2016) The amount of citrullinated proteins in synovial tissue is related to serum anti-cyclic citrullinated peptide (anti-ccp) antibody levels. Clin Rheumatol 35 (1): 55-61.Dong S, et al. (2006) Nf-y and sp1/sp3 are involved in the transcriptional regulation of the peptidylarginine deiminase type iii gene (padi3) in human keratinocytes. Biochem J 397 (3): 449-459.Chavanas S, et al. (2008) Long-range enhancer associated with chromatin looping allows ap-1 regulation of the peptidylarginine deiminase 3 gene in differentiated keratinocyte. PLoS One 3 (10): e3408.

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/polyclonal/padi3-pad3-antibody-immunohistochemistry-elisa/256344>