

ARG44449 anti-PADI3 / PAD3 antibody

Package: 50 μg Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PADI3 / PAD3
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
lsotype	lgG
Target Name	PADI3 / PAD3
Species	Human
Immunogen	Human PADI3 / PAD3 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PADI3; Peptidyl Arginine Deiminase 3; PDI3; Peptidyl Arginine Deiminase, Type III; Protein-Arginine Deiminase Type III; Protein-Arginine Deiminase Type-3; Peptidylarginine Deiminase III; EC 3.5.3.15; PAD3; UHS1

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10^6
	ICC/IF	5 μg/ml
	WB	0.25-0.5 μg/ml
Application Note	The dilutions indicate recommen should be determined by the scie	ded starting dilutions and the optimal dilutions or concentrations entist.

Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	PADI3
Gene Full Name	Peptidyl Arginine Deiminase 3
Background	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.
Function	Catalyzes the deimination of arginine residues of proteins.
Calculated Mw	75 kDa
Cellular Localization	Cytoplasm

Images



ARG44449 anti-PADI3 / PAD3 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44449 anti-PADI3 / PAD3 antibody at 5 $\mu g/mL$ dilution.



ARG44449 anti-PADI3 / PAD3 antibody WB image

Western blot: RT4 and A549 stained with ARG44449 anti-PADI3 / PAD3 antibody at 0.5 $\mu g/mL$ dilution.



ARG44449 anti-PADI3 / PAD3 antibody FACS image

Flow Cytometry: SH-SY5Y stained with ARG44449 anti-PADI3 / PAD3 antibody at 1 $\mu g/10^{6}$ cells dilution.

ARG44449 anti-PADI3 / PAD3 antibody WB image

Western blot: C6 stained with ARG44449 anti-PADI3 / PAD3 antibody at 0.5 $\mu g/mL$ dilution.





ARG44449 anti-PADI3 / PAD3 antibody WB image

Western blot: Mouse kidney and NIH/3T3 stained with ARG44449 anti-PADI3 / PAD3 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.