

ARG44563 anti-PADI4 / PAD4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PADI4 / PAD4
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PADI4 / PAD4
Species	Human
Immunogen	Recombinant human PADI4 / PAD4
Conjugation	Un-conjugated
Alternate Names	PADI4; Peptidyl Arginine Deiminase 4; PDI5; PADI5; PDI4; PAD; Peptidyl Arginine Deiminase, Type IV; Peptidyl Arginine Deiminase, Type V; Protein-Arginine Deiminase Type IV; Protein-Arginine Deiminase Type-4; EC 3.5.3.15; HL-60 PAD; PAD4; Peptidylarginine Deiminase IV; PADI-H Protein

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

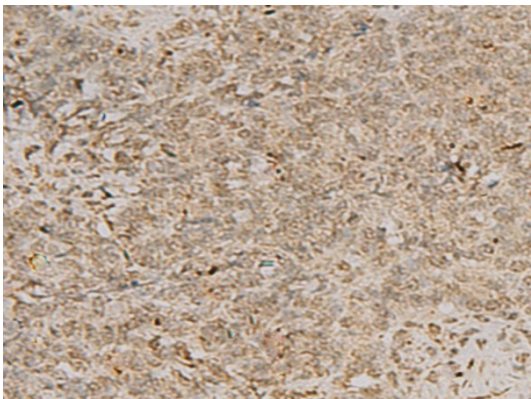
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

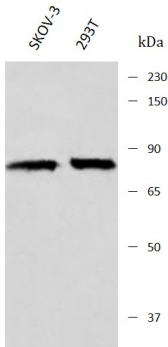
Gene Symbol	PADI4
Gene Full Name	Peptidyl Arginine Deiminase 4
Background	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response. [provided by RefSeq, Jul 2008]
Function	Catalyzes the citrullination/deimination of arginine residues of proteins such as histones, thereby playing a key role in histone code and regulation of stem cell maintenance. [UniProt]
Research Area	Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	74 kDa
PTM	Citrullination. [UniProt]
Cellular Localization	Cytoplasm, Nucleus. [UniProt]

Images



ARG44563 anti-PADI4 / PAD4 antibody IHC-P image

Immunohistochemistry: Human ovarian cancer stained with ARG44563 anti-PADI4 / PAD4 antibody.



ARG44563 anti-PADI4 / PAD4 antibody WB image

Western blot: SKOV-3 and 293T stained with ARG44563 anti-PADI4 / PAD4 antibody.