

ARG63692 anti-PADI4 / PAD4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PADI4 / PAD4
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PADI4 / PAD4
Species	Human
Immunogen	AQGTILIRVTPEQPC
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
	ICC/IF	10µg/ml
	IHC-P	4-6µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

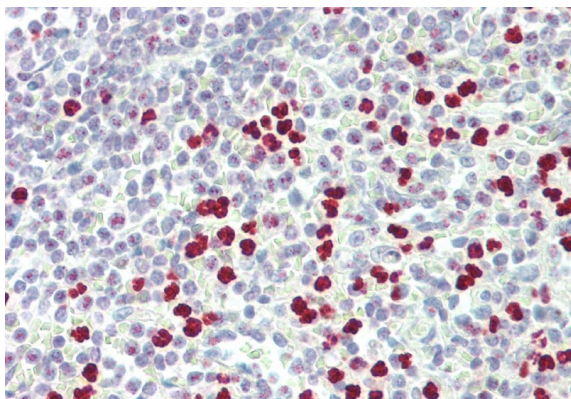
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
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

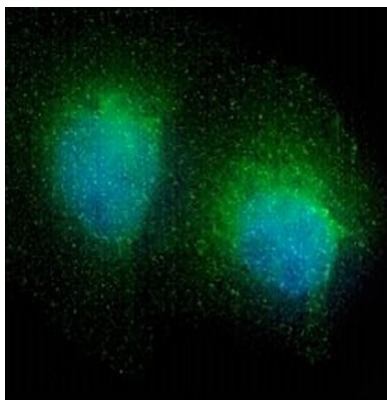
Database links	GeneID: 23569 Human Swiss-port # Q9UM07 Human
Gene Symbol	PADI4
Gene Full Name	Peptidyl Arginine Deiminase 4
Background	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in 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



ARG63692 anti-PADI4 / PAD4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63692 anti-PADI4 / PAD4 antibody at 5 µg/ml dilution followed by AP-staining.



ARG63692 anti-PADI4 / PAD4 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG63692 anti-PADI4 / PAD4 antibody at 10ug/ml dilution.