

ARG56867
anti-PADI1 / PAD1 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PADI1 / PAD1
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PADI1 / PAD1
Immunogen	Recombinant protein of Human PADI1 / PAD1.
Conjugation	Un-conjugated
Alternate Names	EC 3.5.3.15; HPAD10; PDI1; Protein-arginine deiminase type I; Peptidylarginine deiminase I; PAD1; Protein-arginine deiminase type-1; PDI

Application Instructions

Application table	Application	Dilution
	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.	
Positive Control	A431	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% 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. 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

Database links	GeneID: 18599 Mouse
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[GeneID: 54282 Rat](#)

[Swiss-port # O88806 Rat](#)

[Swiss-port # Q9Z185 Mouse](#)

Gene Symbol	PADI1
Gene Full Name	peptidyl arginine deiminase, type I
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 I enzyme is involved in the late stages of epidermal differentiation, where it deiminates filaggrin and keratin K1, which maintains hydration of the stratum corneum, and hence the cutaneous barrier function. This enzyme may also play a role in hair follicle formation. This gene exists in a cluster with four other paralogous genes. [provided by RefSeq, Jul 2008]
Function	Catalyzes the deimination of arginine residues of proteins. [UniProt]
Calculated Mw	75 kDa