

Product datasheet

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ARG40489 anti-PADI2 / PAD2 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes PADI2 / PAD2

Tested Reactivity Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PADI2 / PAD2

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 26-210 of Human PADI2 (NP_031391.2).

Conjugation Un-conjugated

Alternate Names EC 3.5.3.15; Peptidylarginine deiminase II; PDI2; Protein-arginine deiminase type II; Protein-arginine

deiminase type-2; PAD2; PAD-H19

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse spleen	
Observed Size	~ 75 kDa	

Properties

Form Liquid

Purification Affinity purified.

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

Gene Symbol PADI2

Gene Full Name peptidyl arginine deiminase, type II

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 II enzyme is the most widely expressed family member. Known substrates for this enzyme include myelin basic protein in the central nervous system and vimentin in skeletal muscle and macrophages. This enzyme is thought to play a role in the onset and progression of neurodegenerative human disorders, including Alzheimer disease and multiple sclerosis, and it has also been implicated in glaucoma pathogenesis. This gene exists in a cluster with four other paralogous

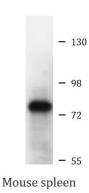
genes. [provided by RefSeq, Jul 2008]

Function Catalyzes the deimination of arginine residues of proteins. [UniProt]

Calculated Mw 76 kDa

Cellular Localization Cytoplasm. [UniProt]

Images



ARG40489 anti-PADI2 / PAD2 antibody WB image

Western blot: $25~\mu g$ of Mouse spleen lysate stained with ARG40489 anti-PADI2 / PAD2 antibody at 1:1000 dilution.