

ARG44718 anti-PADI2 / PAD2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes PADI2 / PAD2
Tested Reactivity	Hu
Tested Application	IHC-P, IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	PADI2 / PAD2
Species	Human
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
	IHC-P	5-10 µg/mL
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

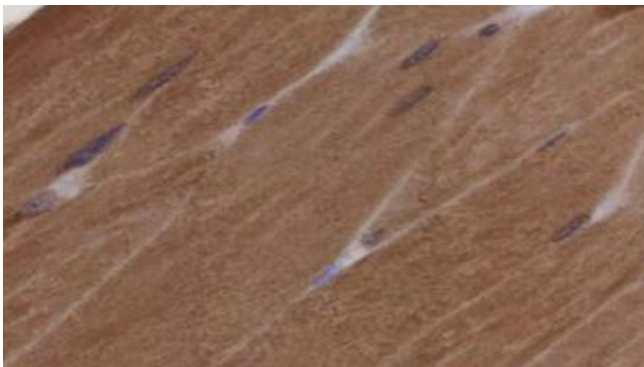
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated 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	PADI2
Gene Full Name	peptidyl arginine deiminase, type II

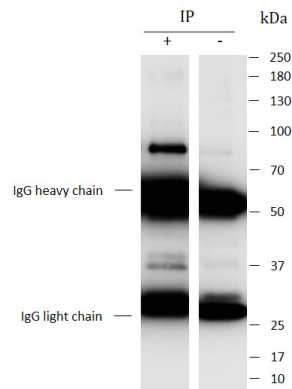
Background	This gene encodes a member of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The family members have distinct substrate specificities and tissue-specific 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



ARG44718 anti-PADI2 / PAD2 antibody IHC-P image

Immunohistochemistry: Human skeletal muscle stained with ARG44718 anti-PADI2 / PAD2 antibody at 5 µg/mL dilution.



ARG44718 anti-PADI2 / PAD2 antibody IP image

Immunoprecipitation: AsPC-1 lysate immunoprecipitated with 2.5 µg of ARG44718 anti-PADI2 / PAD2 antibody.