

# PADI2 polyclonal antibody

Catalog # PAB5506      Size 100 ug

## Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PADI2.
Immunogen	A synthetic peptide corresponding to C-terminus of human PADI2.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PADI2

Entrez GeneID	<a href="#">11240</a>
Gene Name	PADI2

Gene Alias	KIAA0994, PAD-H19, PAD2, PDI2
Gene Description	peptidyl arginine deiminase, type II
Omim ID	<a href="#">607935</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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]</p>
Other Designations	OTTHUMP00000002403 OTTHUMP00000044625 peptidylarginine deiminase type II protein arginine deiminase protein-arginine deiminase type-2

## Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)