

PADI2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant PADI2.****Catalog # AT3168a****Specification**

PADI2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O9Y2J8
Other Accession	NM_007365
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	75564

PADI2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 11240**Other Names**

Protein-arginine deiminase type-2, PAD-H19, Peptidylarginine deiminase II, Protein-arginine deiminase type II, PADI2, KIAA0994, PDI2

Target/Specificity

PADI2 (NP_003008, 1 a.a. ~ 108 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

PADI2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

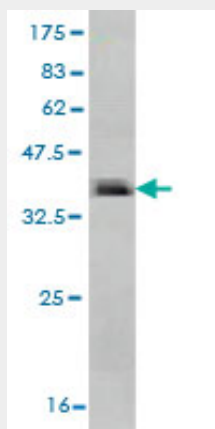
PADI2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

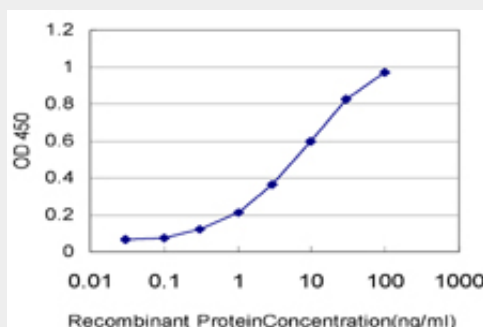
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PADI2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 kDa) .



Detection limit for recombinant GST tagged PADI2 is approximately 0.3 ng/ml as a capture antibody.

PADI2 Antibody (monoclonal) (M01) - 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]