



Rabbit Anti-PADI2 antibody

SL11662R

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| Product Name: | PADI2 |
| Chinese Name: | 蛋白质精氨酸亚型2抗体 |
| Alias: | PADI2 / PAD2; PAD 2; PAD2; PAD H19; PAD-H19; PADI 2; Padi2; PADI2 protein; PADI2_HUMAN; PDI 2; PDI2 antibody Peptidylarginine deiminase type II; Peptidyl arginine deiminase II; Peptidyl arginine deiminase type II; Peptidylarginine deiminase II; Protein arginine deiminase; Protein arginine deiminase type 2; Protein arginine deiminase type II; Protein-arginine deiminase type II; Protein-arginine deiminase type-2; KIAA0994; OTTHUMP00000044625. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500(Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 76kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human PADI2/PAD2:42-120/665 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the protein arginine deiminase family.

SWISS:

Q9Y2J8

Gene ID:

11240

Database links:

[Entrez Gene: 11240](#) Human

[Entrez Gene: 18600](#) Mouse

[Entrez Gene: 29511](#) Rat

[Omir: 607935](#) Human

[SwissProt: Q96DA7](#) Human

[SwissProt: Q9Y2J8](#) Human

[SwissProt: Q08642](#) Mouse

[SwissProt: Q75WD0](#) Mouse

[SwissProt: P20717](#) Rat

[Unigene: 33455](#) Human

[Unigene: 2296](#) Mouse

[Unigene: 469220](#) Mouse

[Unigene: 98523](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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