

PADI2 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP14369b

Specification

PADI2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

09Y2I8

PADI2 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PADI2 Antibody (C-term) Blocking Peptide - Protein Information

Name PADI2

Synonyms KIAA0994, PAD2, PDI2

Function

Catalyzes the deimination of arginine residues of proteins.

Cellular Location

Cytoplasm.

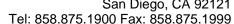
Tissue Location

Detected in keratinocytes in epidermis (at protein level).

PADI2 Antibody (C-term) Blocking Peptide - Protocols

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

• Blocking Peptides





PADI2 Antibody (C-term) Blocking Peptide - Images PADI2 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the peptidyl argininedeiminase family of enzymes, which catalyze the post-translationaldeimination of proteins by converting arginine residues intocitrullines in the presence of calcium ions. The family membershave distinct substrate specificities and tissue-specificexpression patterns. The type II enzyme is the most widelyexpressed family member. Known substrates for this enzyme includemyelin basic protein in the central nervous system and vimentin inskeletal muscle and macrophages. This enzyme is thought to play arole in the onset and progression of neurodegenerative humandisorders, including Alzheimer disease and multiple sclerosis, andit has also been implicated in glaucoma pathogenesis. This geneexists in a cluster with four other paralogous genes. [provided byRefSeq].

PADI2 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Jang, B., et al. Acta Neuropathol. 119(2):199-210(2010)Cafaro, T.A., et al. Mol. Vis. 16, 1654-1658 (2010): Hojo-Nakashima, I., et al. J. Biochem. 146(4):471-479(2009)Watanabe, Y., et al. J. Hum. Genet. 54(7):430-432(2009)