

**MATR3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14206a****Specification**

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**MATR3 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P43243](#)**MATR3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9782**Other Names**

Matrin-3, MATR3, KIAA0723

**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.

**MATR3 Antibody (N-term) Blocking Peptide - Protein Information****Name** MATR3**Synonyms** KIAA0723**Function**

May play a role in transcription or may interact with other nuclear matrix proteins to form the internal fibrogranular network. In association with the SFPQ-NONO heteromer may play a role in nuclear retention of defective RNAs. Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway (PubMed: [28712728](http://www.uniprot.org/citations/28712728)). Binds to N6-methyladenosine (m6A)-containing mRNAs and contributes to MYC stability by binding to m6A-containing MYC mRNAs (PubMed: [32245947](http://www.uniprot.org/citations/32245947)). May bind to specific miRNA hairpins (PubMed: [28431233](http://www.uniprot.org/citations/28431233)).

**Cellular Location**

Nucleus matrix.

## **MATR3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **MATR3 Antibody (N-term) Blocking Peptide - Images**

## **MATR3 Antibody (N-term) Blocking Peptide - Background**

This locus encodes a nuclear matrix protein. Mutations at this locus have been associated with distal myopathy 2, which often includes vocal cord and pharyngeal weakness. Alternatively spliced transcript variants, including read-through transcripts with an upstream locus have been described. Related pseudogenes have been defined on chr1 and chrX.

## **MATR3 Antibody (N-term) Blocking Peptide - References**

Zeitz, M.J., et al. J. Cell. Biochem. 108(1):125-133(2009) Senderek, J., et al. Am. J. Hum. Genet. 84(4):511-518(2009) Graubert, T.A., et al. PLoS ONE 4 (2), E4583 (2009) :Malyavantham, K.S., et al. J. Cell. Biochem. 105(2):391-403(2008) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)