

## Matrin 3 Rabbit mAb

Catalog # AP77949

### **Product Information**

**Application** WB, IHC-P, IF, FC, ICC

Primary Accession P43243

Reactivity Rat, Human, Mouse

**Host** Rabbit

**Clonality** Monoclonal Antibody

**Isotype** IgG

**Conjugate** Unconjugated

**Immunogen** A synthesized peptide derived from human Matrin 3

**Purification** Affinity Chromatography

Calculated MW 94623

#### **Additional Information**

**Gene ID** 9782

Other Names MATR3

**Dilution** WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50 ICC~~N/A

Format Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02%

sodium azide and 50% glycerol.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

#### **Protein Information**

Name MATR3

Synonyms KIAA0723

**Function** May play a role in transcription or may interact with other nuclear matrix

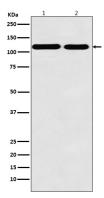
proteins to form the internal fibrogranular network. In association with the SFPQ-NONO heteromer may play a role in nuclear retention of defective RNAs. Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as

a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway (PubMed:<u>28712728</u>). Binds to N6-methyladenosine (m6A)-containing mRNAs and contributes to MYC stability by binding to m6A-containing MYC mRNAs (PubMed:<u>32245947</u>).

May bind to specific miRNA hairpins (PubMed: 28431233).

**Cellular Location** Nucleus matrix.

# **Images**



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