10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Matrin 3 Rabbit mAb

Catalog # AP74822

Product Information

Application	WB, IHC-P, FC
Primary Accession	P43243
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	94623

Additional Information

Gene ID	9782
Other Names	MATR3
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:100-1:200
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
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:28712728). Binds to N6-methyladenosine (m6A)-containing mRNAs and contributes to MYC stability by binding to m6A-containing MYC mRNAs (PubMed:32245947). May bind to specific miRNA hairpins (PubMed:28431233).
Cellular Location	Nucleus matrix.

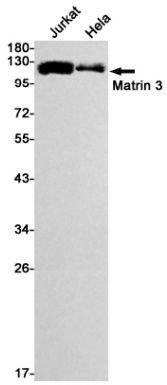
Background

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.

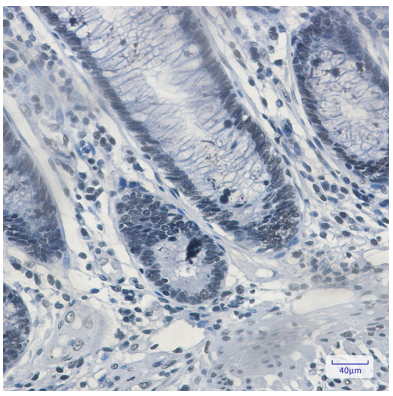
Images



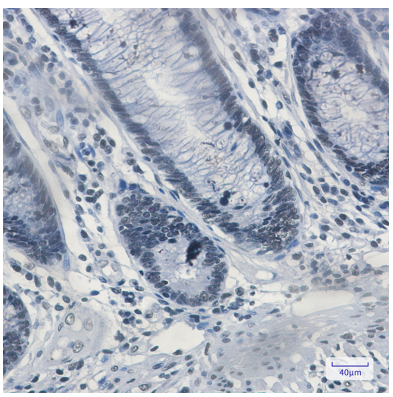
Immunocytochemistry analysis of Matrin 3 (green) in HL-60 using Matrin 3 antibody,and DAPI(blue).



Western blot analysis of Matrin 3 in Jurkat, Hela lysates using Matrin 3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer tissue using Matrin 3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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