Anti-Matrin 3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011263

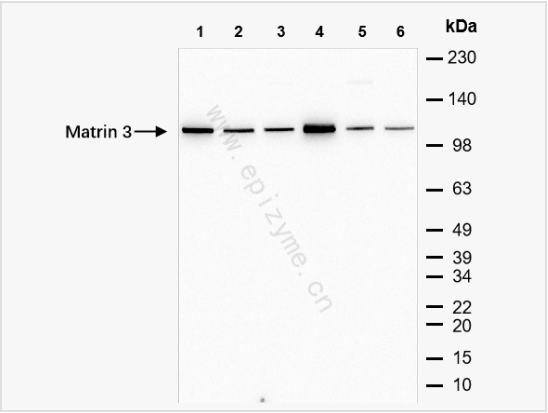
Product Information

Application	ELISA, IF (Tissue-P), WB, IHC-P, IF (Cell)/ICC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:50~1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	66K31L97
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Matrin 3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at 20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Matrin 3 Rabbit mAb [66K31L97] is for research use only and not for use in diagnostic or therapeutic procedures.

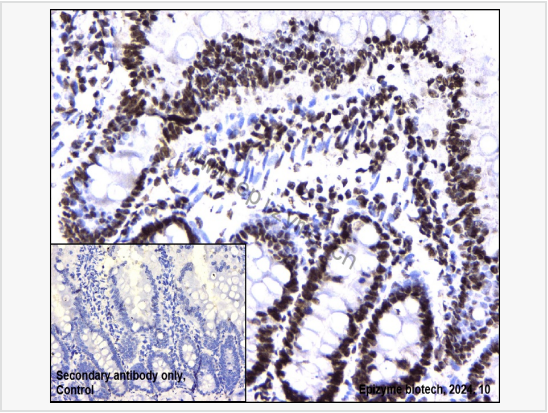
Protein Information

Synonyms	ALS21, KIAA0723, Matr3, MATR3_HUMAN, Matrin-3, Matrin3, MPD2, VCPDM, Vocal cord and pharyngeal weakness with distal myopathy.
Calculated MW	Calculated MW: 95 kDa; Observed MW: 125 kDa
Primary Accession	P43243
Gene ID	9782
Background	This gene encodes a nuclear matrix protein, which is proposed to stabilize certain messenger RNA species. Mutations of this gene are associated with distal myopathy 2, which often includes vocal cord and pharyngeal weakness. Alternatively spliced transcript variants, including read-through transcripts composed of the upstream small nucleolar RNA host gene 4 (non-protein coding) and matrin 3 gene sequence, have been identified. Pseudogenes of this gene are located on chromosomes 1 and X. [provided by RefSeq, Aug 2013]
Cellular Location	Nucleus matrix.

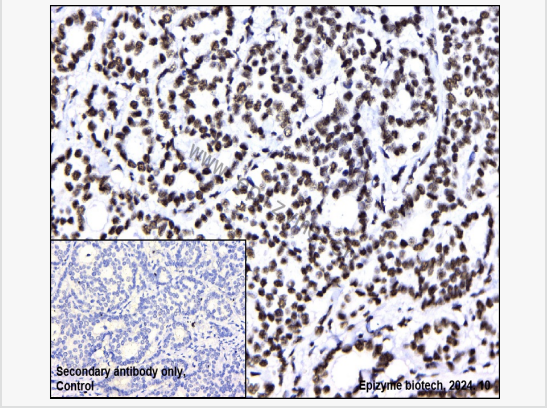
Validation Images



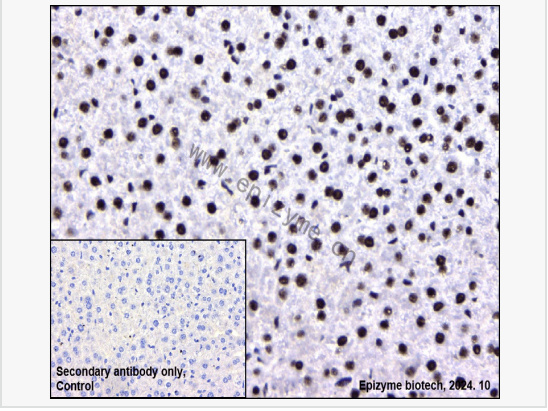
Western Blot - Anti-Matrin 3 Rabbit mAb [66K31L97] All lanes: R011263 at 1:1,000 dilution Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates Lane 6: Rat heart whole tissue lysates Lysates/proteins at 10 µg per lane. Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution Predicted band size: 95 kDa Observed band size: 125 kDa Developed using the ECL technique (Cat. No. SQ201).



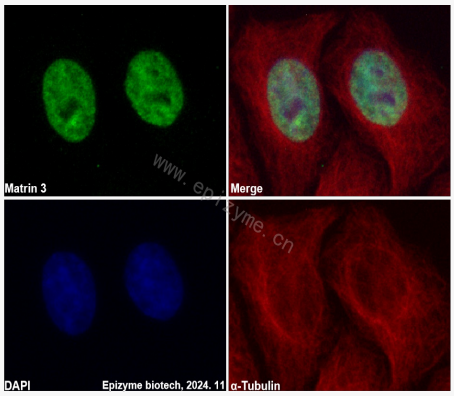
Immunohistochemistry - Anti-Matrin 3 Rabbit mAb [66K31L97] Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins. Primary antibody: R011263 at 1:200 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen. Counter stained with hematoxylin. Positive/negative staining were presented. Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Matrin 3 Rabbit mAb [66K31L97] Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins. Primary antibody: R011263 at 1:200 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen. Counter stained with hematoxylin. Positive/negative staining were presented. Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Matrin 3 Rabbit mAb [66K31L97] Sample: Paraformaldehyde-fixed, paraffin embedded mouse liver tissue Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins. Primary antibody: R011263 at 1:200 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen. Counter stained with hematoxylin. Positive/negative staining were presented. Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Matrin 3 Rabbit mAb [66K31L97] Sample: HeLa cells The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours. Primary antibodies: R011263 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red) Nuclei were stained with DAPI (shown in blue).