

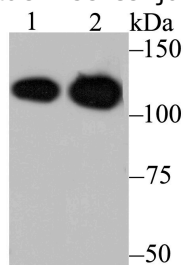
Anti-Matrin 3 Antibody (7P173)

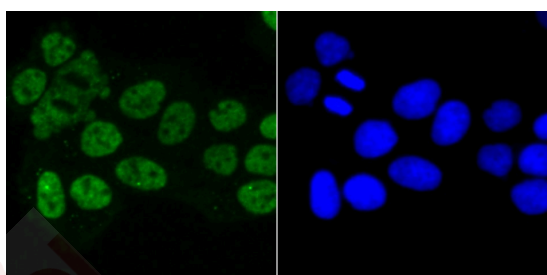
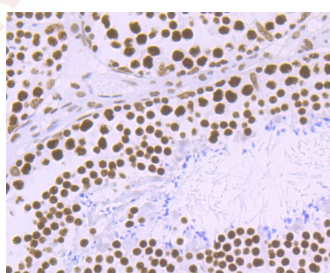
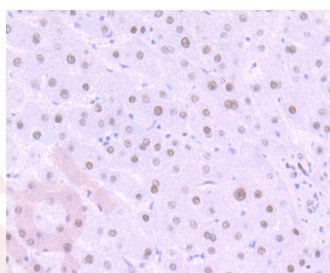
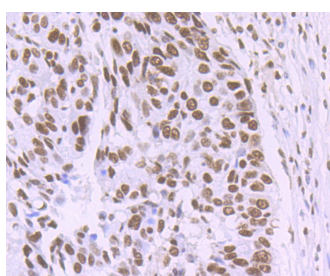
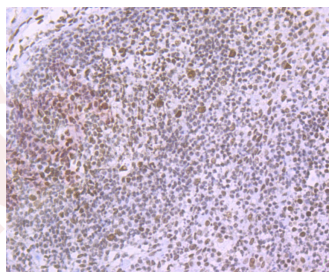
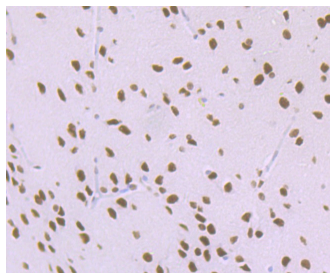
Product Details

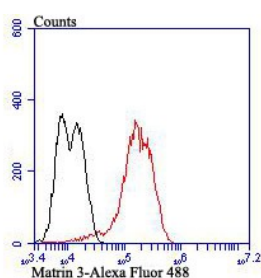
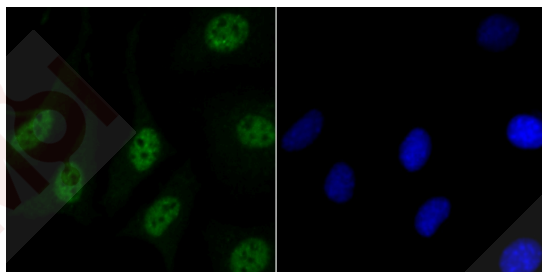
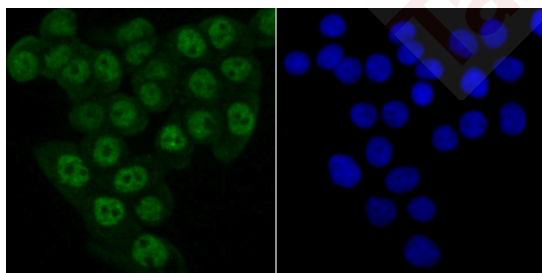
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 95 kDa.
Clone:	7P173
Purification:	ProA affinity purified

Applications

1. Western blot analysis of Matrin 3 on different lysates using anti-Matrin 3 antibody at 1/1,000 dilution. Positive control: Lane 1: Daudi, Lane 2: Mouse brain tissue.
2. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Matrin 3 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Matrin 3 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-Matrin 3 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Matrin 3 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Matrin 3 antibody. Counter stained with hematoxylin.
7. ICC staining Matrin 3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining Matrin 3 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. ICC staining Matrin 3 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
10. Flow cytometric analysis of LOVO cells with Matrin 3 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.







Application: FCM,ICC,IF,IHC,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P43243

Synonyms: KIAA0723;ALS21;Matrin-3;MATR3_HUMAN;Matrin3;MPD2;Matr3;VCPDM;Vocal cord and pharyngeal weakness with distal myopathy

Research Background

Matrin-3 is a nuclear matrix protein containing one matrin-type zinc finger and two RRM (RNA recognition motif) domains. Matrin-3 plays a role in transcription and may interact with other nuclear matrix proteins to form the internal fibrogranular network. In association with the PSF-p54/NRB heteromer, Matrin-3 may play a role in the nuclear retention of defective RNAs. As the main substrate for PKA-mediated phosphorylation, Matrin-3 may serve as a rapid way of transferring information from synapses containing NMDA receptors to neuronal nuclei under physiological conditions. Also, the phosphorylation of Matrin-3 may contribute to neuronal death under pathological conditions. It is likely that Matrin-3 activity is regulated by calcium dependent interaction with CaM I and also by caspase induced cleavage.

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