



## Anti-Matrin 3 Antibody

**Alternative Names:** MPD2, ALS21, VCPDM, Matrin-3, Vocal Cord And Pharyngeal Weakness With Distal Myopathy, Myopathy Distal 2, KIAA0723

**Catalogue Number:** AB19-10089-100ug

**Size:** 100 µg

### Background Information

Matrin 3 (MATR3) is a DNA and RNA binding protein with a range of functions in nucleic acid metabolism including gene transcription, splicing, RNA degradation and the DNA damage response.

Mutations of the MATR3 gene are associated with distal myopathy, vocal cord and pharyngeal weakness, amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD). However even without the presence of MATR3 mutations, patients with ALS due to C9orf72 hexanucleotide expansions and FUS mutations may also have cytoplasmic Matrin 3 accumulation as well as strong nuclear Matrin 3 immunostaining indicating that Matrin 3 may more generally be a common mediator in ALS.

### Product Information

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse
<b>Immunogen:</b>	Full length recombinant human MATR3		
<b>Format:</b>	100 µg in 100 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
<b>Storage Conditions:</b>	Store at -20°C. Avoid freeze / thaw cycles.		
<b>Applications:</b>	WB WB 1:500-2000.		

### Additional Information

<b>Subcellular location:</b>	Nucleus	<b>MW:</b>	95kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	9782	<b>Uniprot ID:</b>	P43243