

For Research Use Only

MATR3 Monoclonal antibody, PBS Only

Catalog Number: 68280-1-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
68280-1-PBS	BC015031	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
1mg/ml	9782	3B12C7
Source:	UNIPROT ID:	
Mouse	P43243	
Isotype:	Full Name:	
IgG2b	matrin 3	
Immunogen Catalog Number:	Calculated MW:	
AG31502	847 aa, 95 kDa	
	Observed MW:	
	120 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

MATR3, known as KIAA0723, is an 847 amino acid protein, which may play a role in transcription or may interact with other nuclear matrix proteins to form the internal fibrogranular network. MATR3 was originally identified as a nuclear matrix protein containing both DNA and RNA binding domains (PMID: 2033075) with a wide variety of functions ranging from DNA damage response to transcriptional and post-transcriptional regulation of cellular and viral RNAs (PMID: 21771346). the calculated molecular weight of MATR3 is 94 kDa, but we detect a 125 kDa protein as a result of PMID: 28977530.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

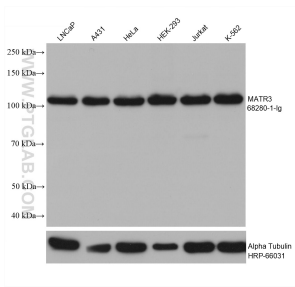
T: 4006900926

E: Proteintech-CN@ptglab.com

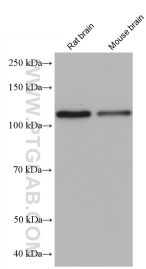
W: ptgcn.com

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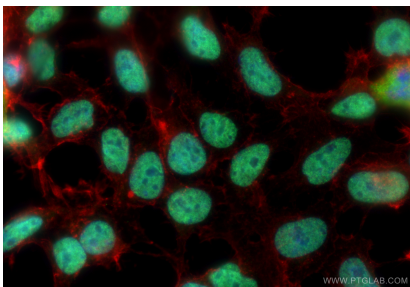
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68280-1-Ig (MATR3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 68280-1-PBS in a different storage buffer formulation.



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Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using MATR3 antibody (68280-1-Ig, Clone: 3B12C7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red). This data was developed using the same antibody clone with 68280-1-PBS in a different storage buffer formulation.