

For Research Use Only

MATR3 Monoclonal antibody

Catalog Number: 68280-1-Ig



Basic Information

Catalog Number:	68280-1-Ig	GenBank Accession Number:	BC015031	Purification Method:	Protein A purification
Size:	150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	9782	CloneNo.:	3B12C7
Source:	Mouse	UNIPROT ID:	P43243	Recommended Dilutions:	WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype:	IgG2b	Full Name:	matrin 3		
Immunogen Catalog Number:	AG31502	Calculated MW:	847 aa, 95 kDa		
		Observed MW:	120 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human, mouse, rat	WB :	LNCaP cells, rat brain tissue, A431 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, mouse brain tissue
		IF/ICC :	HEK-293 cells,

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

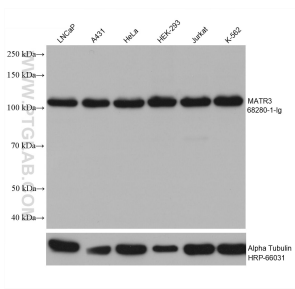
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

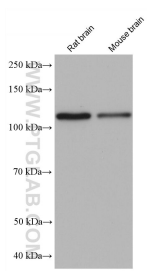
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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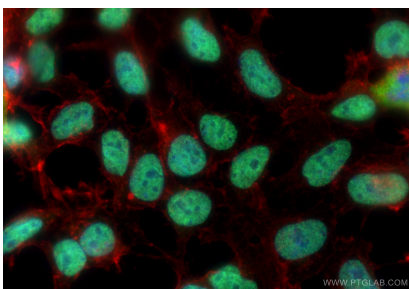
Selected Validation Data



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.



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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).