

MATR3 Monoclonal antibody

Catalog Number: 68280-1-Ig

Basic Information

Catalog Number:

68280-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG31502

GenBank Accession Number:

BC015031

GeneID (NCBI):

9782

UNIPROT ID:

P43243

Full Name:

matrin 3

Calculated MW:

847 aa, 95 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

3B12C7

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:**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

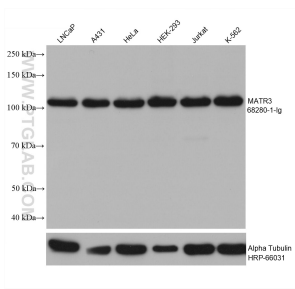
For technical support and original validation data for this product please contact:

T: 4006900926

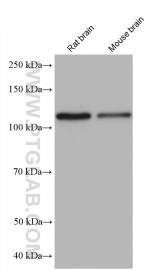
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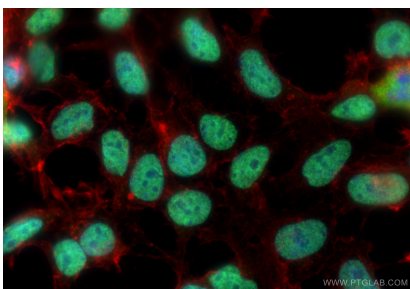
Selected Validation Data



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).