

For Research Use Only

EXOSC10 Monoclonal antibody

Catalog Number: 68315-1-Ig



Basic Information

Catalog Number: 68315-1-Ig	GenBank Accession Number: BC039901	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5394	CloneNo.: 1D6G9
Source: Mouse	Full Name: exosome component 10	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB IF 1:500-1:2000
Isotype: IgG1	Calculated MW: 98 kDa	
Immunogen Catalog Number: AG28587	Observed MW: 98 kDa	

Applications

Tested Applications:

IF, IP, WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells

IP : HeLa cells,

IF : HeLa cells,

Background Information

About 50% of patients with polymyositis/scleroderma (PM-Scl) overlap syndrome are reported to have autoantibodies to a nuclear/nucleolar particle termed PM-Scl. Exosome component 10 (EXOSC10), also named autoantigen PM/Scl 2, is the 100 kDa antigen component of PM-Scl and is recognized by most sera of PM-Scl patients. EXOSC10 is strongly enriched in the nucleolus and a small amount has been found in cytoplasm supporting the existence of a nucleolar RNA exosome complex form. As a putative catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity, EXOSC10 participates in a multitude of cellular RNA processing and degradation events.

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

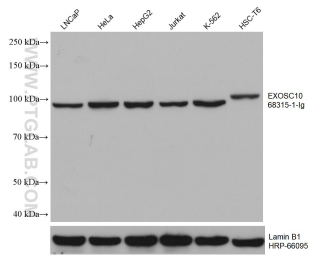
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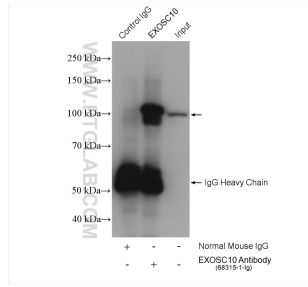
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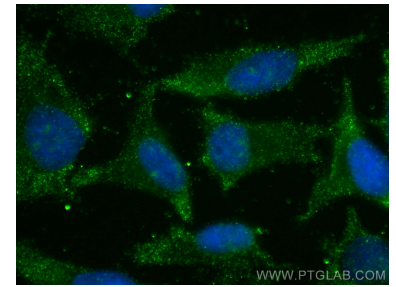
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68315-1-Ig (EXOSC10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



IP result of anti-EXOSC10(IP:68315-1-Ig, 4ug; Detection:68315-1-Ig 1:1000) with HeLa cells lysate 1720 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using EXOSC10 antibody (68315-1-Ig, Clone: 1D6G9) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).