For Research Use Only

MTIF3 Polyclonal antibody

Catalog Number:14219-1-AP

Featured Product

8 Publications

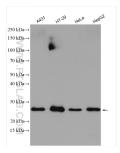


| Basic Information | Catalog Number: 14219-1-AP | GenBank Accession Numbe BC046166 | r: Purification Method: Antigen affinity purification | |
|--|---|---|---|--|
| | Size: | GenelD (NCBI): | Recommended Dilutions: | |
| | 700 µg/ml | 219402 | WB 1:500-1:2000 | |
| | Source: | UNIPROT ID: | IP 0.5-4.0 ug for 1.0-3.0 mg of total | |
| | Rabbit | Q9H2K0 | protein lysate IHC 1:50-1:500 | |
| | Isotype: | Full Name: | | |
| | lgG | mitochondrial translational initiation factor 3 | | |
| | Immunogen Catalog Number: AG5457 | Calculated MW: 32 kDa | | |
| | | Observed MW: 29 kDa | | |
| | | 2, | | |
| Applications | Tested Applications: | Pos | tive Controls: | |
| | IHC, IP, WB, ELISA Cited Applications: WB | | /B : A431 cells, human preadipocyte cells, HT-29 cells ieLa cells, HepG2 cells | |
| | | IP: | HeLa cells, | |
| | Species Specificity: human, mouse | IHC | : human liver tissue, mouse testis tissue, human | |
| | Cited Species: | test | is tissue | |
| | human, rat, mouse | | | |
| | TE buffer pH 9.0; (*) Alterno retrieval may be performea buffer pH 6.0 | | | |
| | | | | |
| Background Information | the initiation complex on the mito Like bacterial IF3, MTIF3 is believ large subunit during initiation. Aft | ochondrial 55S ribosome, thereb ed to bind first to the small mit ter binding of MTIF3, mRNA and ribosomal subunit. The large su | by playing an active role in initiation of translation | |
| | the initiation complex on the mito Like bacterial IF3, MTIF3 is believ large subunit during initiation. Aft tRNAifMet) bind to the small mito elongation-competent ribosome (| ochondrial 555 ribosome, there ed to bind first to the small mit ter binding of MTIF3, mRNA and ribosomal subunit. The large su PMID:20887776, 31350787). | y playing an active role in initiation of translation oribosomal subunit to keep it dissociated from the formylated initiator methionyl-tRNA (fMet- bunit then joins the small subunit to form an | |
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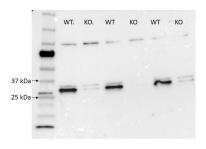
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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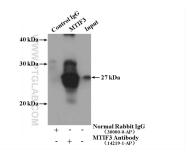
Selected Validation Data



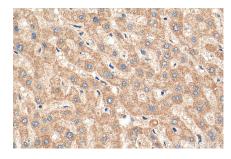
Various lysates were subjected to SDS PAGE followed by western blot with 14219-1-AP (MTIF3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



The MTIF3 knockout (>80% KO efficiency as evaluated by Sanger sequencing) and wildtype (WT) human preadipocyte cells were lysed in 1% SDS. 10 μ g total protein were subjected to SDS PAGE followed by western blot with 14219-1-AP (MTIF3 antibody) at dilution of 1:2000 incubated overnight at 4 oC. Date from Dr. Mi Huang.



IP result of anti-MTIF3 (IP:14219-1-AP, 4ug; Detection:14219-1-AP 1:500) with HeLa cells lysate 3200ug.



Immunohistochemical analysis of paraffinembedded human liver tissue slide using 14219-1-AP (MTIF3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).