MCM7
Polyclonal ANTIBODY
Catalog Number: 11225-1-AP

Basic Information
Catalog Number: 11225-1-AP
Size: 40 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG1730

GenBank Accession Number: BC013375
GeneID (NCBI): 4176
Full Name: minichromosome maintenance complex component 7
Calculated MW: 81 kDa
Observed MW: 81 kDa

Recommended Dilutions:
WB: 1:1000-1:6000
IP: 0.5-4.0 μg for IP and 1:1000-1:4000 for WB
IHC: 1:50-1:500
IF: 1:50-1:500

Applications
Tested Applications: FC, IF, IHC, IP, WB, ELISA
Cited Applications: WB
Species Specificity: human, mouse
Cited Species: human, mouse

Background Information
Genes encoding PPR (pentatricopeptide repeat)-containing proteins constitute one of the largest gene families in plants. The majority of these proteins are predicted to target organelles and to bind to RNA. Strikingly, there is a dearth of these proteins in mammals, although genomic searches reveal six candidates, all of which are also predicted to target the mitochondrion. One of these proteins, MRPS27, is involved in transcription and translation respectively. [PMID: 18939947] MRPS27 is a component of the small subunit of the mitochondrial ribosome that is encoded by the nuclear genome [PMID: 11279123].

Notable Publications

Author | Pubmed ID | Journal | Application
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Lifei Fan | 28467760 | Oncotarget | WB
Du Ruyun R | 20158258 | J Proteome Res | WB

Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% 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:
E: proteintech@ptglab.com
W: ptglab.com

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NIH/3T3 cells were subjected to SDS-PAGE followed by western blot with 11225-1-AP MCM7 Antibody at dilution of 1:3000 incubated at room temperature for 1.5 hours.

**IP Result of anti-MCM7 (IP:11225-1-AP, 4ug; Detection:11225-1-AP 1:2000) with NIH/3T3 cells lysate 1600ug.**

**Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 11225-1-AP (MCM7 Antibody) at dilution of 1:200 (under 40x lens).**

**Immunofluorescent analysis of (10% Formaldehyde) fixed NIH/3T3 cells using 11225-1-AP MCM7 antibody at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).**

10^5 Raji cells were stained with 0.3ug MCM7 antibody (11225-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.