For Research Use Only

ATAD1 Polyclonal antibody Catalog Number: 16882-1-AP



| Basic Information | Catalog Number: 16882-1-AP | GenBank Accession Number: BC010868 | Purification Method: Antigen affinity purification | |
|---------------------------------|---|---|--|--|
| | Size: 150ul , Concentration: 400 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG10343 | GeneID (NCBI): 84896 UNIPROT ID: Q8NBU5 Full Name: ATPase family, AAA domain containing 1 Calculated MW: 361 aa, 41 kDa Observed MW: | Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 | |
| Applications | Tested Applications: | 32 kDa | introls: | |
| Applications | WB, IHC, IP, ELISA | WB : HepG2 | 2 cells, mouse brain tissue, rat brain tissue | |
| | Species Specificity: human, mouse, rat | IP : mouse brain tissue, | | |
| | Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | | n colon cancer tissue, | |
| Background Information | The mitochondrial AAA (ATPase Associated with diverse cellular Activities) protein ATAD1 (in humans; Msp1 in yeast) removes mislocalized membrane proteins, as well as stuck import substrates from the mitochondrial outer membrane, facilitating their re-insertion into their cognate organelles and maintaining mitochondria's protein import capacity. | | | |
| Storage | Storage: Store at -20°C. Stable for one year aff Storage Buffer: PBS with 0.02% sodium azide and 50 Aliquoting is unnecessary for -20°C s | ter shipment. 0% glycerol pH 7.3. storage | | |
| *** 20ul sizes contain 0.1% BSA | 1 | | | |

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

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Selected Validation Data





IP result of anti-ATAD1 (IP:16882-1-AP, 4ug; Detection:16882-1-AP 1:1000) with mouse brain tissue lysate 1280 ug.



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 16882-1-AP (ATAD1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Various lysates were subjected to SDS PAGE followed by western blot with 16882-1-AP (ATAD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.