For Research Use Only

ATPAF2 Polyclonal antibody

Catalog Number:30334-1-AP

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Basic Information

Catalog Number:
30334-1-AP

Size:
750 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG33299

GenBank Accession Number:
BC032126

GeneID (NCBI):
91647

UNIPROT ID:
Q8N5M1

Full Name:
ATP synthase mitochondrial F1 complex assembly factor 2

Calculated MW:
289 aa, 33 kDa

Observed MW:
~30 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue,

IHC : human stomach cancer tissue,

Background Information

ATP synthase mitochondrial F1 complex assembly factor 2 (ATPAF2) also name as ATP12 and ATP12p, is an essential house keeping protein. ATPAF2 is an assembly factor for the F1 component of mitochondrial ATP synthase. This protein binds specifically to the F1 alpha subunit and is thought to prevent this subunit from forming nonproductive homooligomers during enzyme assembly. The calculated MW is 33 kDa, 30334-1-AP can detect bands around 30 kDa and 50 kDa, the larger band may correspond to dimer or complex form. (PMID: 1826907, 11410595)

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:
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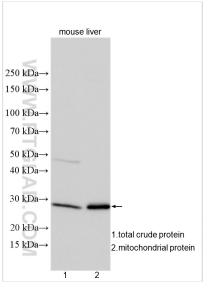
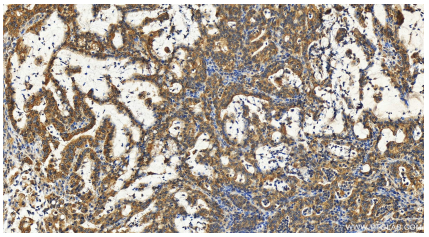
Selected Validation Data



Mouse liver tissues (total crude protein, mitochondrial protein) were subjected to SDS PAGE followed by western blot with 30334-1-AP (ATPAF2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30334-1-AP (ATPAF2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).