

For Research Use Only

AFP Polyclonal antibody

Catalog Number: 31256-1-AP



Basic Information

Catalog Number:

31256-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0670

GenBank Accession Number:

NM_007423.4

GeneID (NCBI):

11576

UNIPROT ID:

P02772

Full Name:

alpha fetoprotein

Calculated MW:

67KD

Observed MW:

68-72 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, 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 placenta tissue, HepG2 cells, human placenta tissue

IHC : mouse placenta tissue,

IF/ICC : HepG2 cells,

Background Information

Alpha-fetoprotein (AFP) is one of the earliest proteins to be synthesised by the embryonic liver. The synthesis of AFP decreases dramatically after birth and only trace amounts are expressed in the adult liver. High serum AFP concentrations are also found in connection with primary liver cancer and teratocarcinoma.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

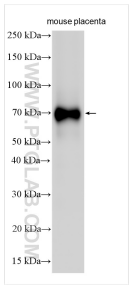
T: 4006900926

E: Proteintech-CN@ptglab.com

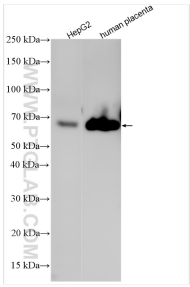
W: ptgcn.com

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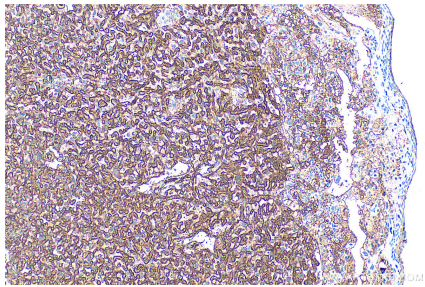
Selected Validation Data



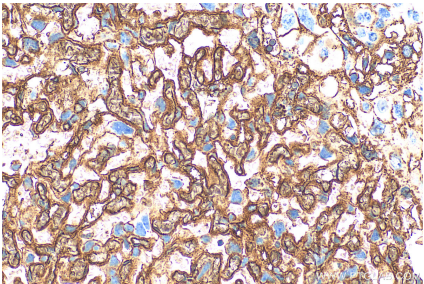
Various lysates were subjected to SDS PAGE followed by western blot with 31256-1-AP (Afp antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



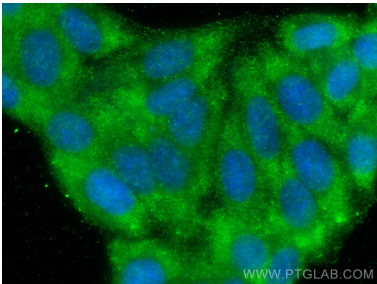
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Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 31256-1-AP (AFP antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 31256-1-AP (AFP antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Afp antibody (31256-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).