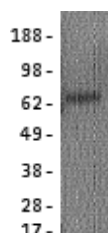


Anti-Human alpha-Fetoprotein Purified

Catalog Number: 14-6583

Also known as: AFP

RUO: For Research Use Only. Not for use in diagnostic procedures.



Immunoblotting of reduced HepG2 cell lysate with 5 µg/mL of Anti-Human alpha-Fetoprotein Purified. Bands were visualized using Anti-Mouse IgG HRP.

Product Information

Contents: Anti-Human alpha-Fetoprotein Purified

REF **Catalog Number:** 14-6583

Clone: AFP3

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

Description

This AFP3 monoclonal antibody reacts with human alpha-fetoprotein (AFP). This 70-kDa secretory protein is a member of the albumin gene family. Synthesized by the yolk sac and fetal liver during embryogenesis, AFP protein levels are highest in fetal serum. After birth, serum AFP levels decrease dramatically. In fact, AFP is nearly undetectable in normal adult serum. However, hepatocellular carcinoma and germ cell teratoblastoma, as well as liver regeneration, viral hepatitis, and cirrhosis, leads to elevated AFP serum levels in adults. As such, detection of this protein is frequently used as a diagnostic marker for these conditions.

When performing western blotting or immunohistochemistry on paraffin section, we recommend the use of monoclonal antibody 1E8 (cat. 14-9499).

Applications Reported

This AFP3 antibody has been reported for use in immunoblotting (WB) and immunocytochemistry.

Applications Tested

This AFP3 antibody has been tested by western blot analysis of reduced HepG2 cell lysate, as well as by immunocytochemistry of HepG2 cells. For western blotting, this antibody can be used at 1-10 µg/mL. (Western blotting of non-reduced cell lysate yields a band at approximately 58 kDa.) For immunocytochemistry, AFP3 can be used at 1-5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Lazarevich NL. Molecular mechanisms of alpha-fetoprotein gene expression. *Biochemistry (Mosc)*. 2000 Jan;65(1):117-33. Review.

Kuo CY, Fu J, Yeh MY, Su SL, Lee CY. Generation of monoclonal antibodies to alpha-fetoprotein and application in solid-phase enzyme immunoassay. *Biotechnol Appl Biochem*. 1989 Feb;11(1):96-104. (AFP3, ELISA, Pubmed)

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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