

**AFP (N-term) Rabbit Monoclonal Antibody
 Product Data Sheet**

Catalog # 1816-1

Clone ID: EP1016Y **Lot #:** Please refer to vial
Quantity: 100 uL
Type: Rabbit Monoclonal IgG
Species Cross-reactivity: Human Mouse Rat
Applications: WB IHC ICC Flow Cytometry IP
Molecular Wt.: 70 kDa
UniProt ID: P02771

Background: Alpha-fetoprotein (AFP) is a serum glycoprotein protein produced in the liver or yolk sac of fetal staged mammals. AFP synthesis is minimal after birth and trace amount is expressed in the adult liver (1). AFP gene expression is regulated by the interactions between steroid hormone receptors and transcriptional factors in separate signal transduction pathways (2). AFP functions as a binding and transporting ligand and cell growth regulator. Elevated expression level of AFP has been implicated in colorectal, ovarian, pancreatic, testicular, and certain liver cancers. High levels of AFP are also seen in some diseases such as hepatitis and colitis. AFP is used as a screening marker for fetal abnormalities in pregnant women such as Down syndrome. Recently, AFP has been introduced as an anti-cancer drugs-ligand carrier, transporting drugs to target tumor cells, increasing anti-tumor efficiency (3).

Specificity: A synthetic peptide corresponding to residues near the N-term of human AFP was used as an immunogen.

Storage Conditions: Store at -20 °C. Buffer: 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Recommended Dilutions:

WB: 1:1,000 - 10,000
 IP: 1:50

Please visit www.epitomics.com for recommended protocols

Background References:

1. Wang XW, et al. *World J Gastroenterol* 7:345-351, 2001.
2. Chen H, et al *Crit Rev Eukaryot Gene Expr*, 7:11-41, 1997.
3. Zheng AI, et al. *CJC* 22:108-111, 2003.

Related Products:

Antigen	Clone	Catalog #
AFP (N-term)	N/A	1758-1
VEGFR-1 (N-term)	Y103	1303-1
VEGFR2/KDR, FLK-1	EP105Y	1666-1
AFP (C-term)	EP1017Y	1791-1

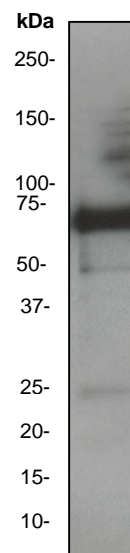


Fig 1. Western blot analysis on HepG2 cell lysate using anti-AFP RabMAb (cat. # 1816-1).

Product QC'd by: _____

For research use only. Not for use in diagnostic or therapeutic applications.

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit us at www.epitomics.com.

Epitomics, Inc., 863 Mitten Road, Suite 103 Burlingame, California 94010-1303

Rev. A/1206/SL