

Product datasheet for **TA300729**

alpha 1 Fetoprotein (AFP) Rabbit Monoclonal Antibody [Clone ID: EP1016Y]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EP1016Y
Applications:	WB
Recommended Dilution:	WB: 1:500000; IP: 1:50
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues near the N-term of human AFP was used as an immunogen.
Formulation:	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69 kDa
Gene Name:	alpha fetoprotein
Database Link:	NP_001125 Entrez Gene 174 Human P02771



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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).

Synonyms:

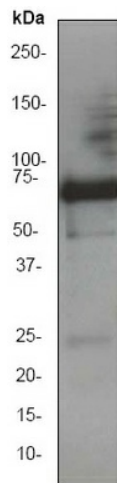
AFPD; FETA; HPAFP

Note:

Is unsuitable for Flow Cyt, ICC, IHC-Fr or IHC-P.

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Western blot - alpha 1 Fetoprotein antibody [EP1016Y]; Anti-alpha 1 Fetoprotein [EP1016Y] antibody at 1/500000 dilution + HepG2 cell lysate at 10 ug. Secondary goat anti-rabbit HRP at 1/2000 dilution. Predicted band size : 69 kDa. Observed band size : 69 kDa.