

Product datasheet for TA329087

alpha 1 Fetoprotein (AFP) Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB: 0.3-1ug/ml, ELISA: 1:128,000

Reactivity: Human
Host: Goat
Isotype: IgG

Clonality: Polyclonal

Immunogen: Internal region (KDALTAIEKPTGDEQ)

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Concentration: lot specific

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: alpha fetoprotein

Database Link: NP 001125

Entrez Gene 174 Human

P02771



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



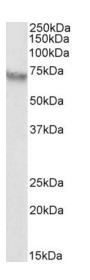
Background:

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 is 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

Protein Families: Druggable Genome, Secreted Protein

Product images:



TA329087 (0.3ug/ml) staining of HepG2 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.