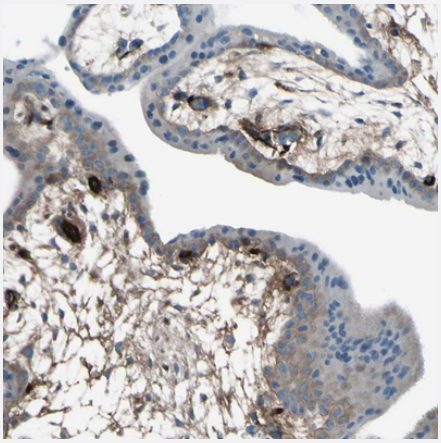
AFP polyclonal antibody

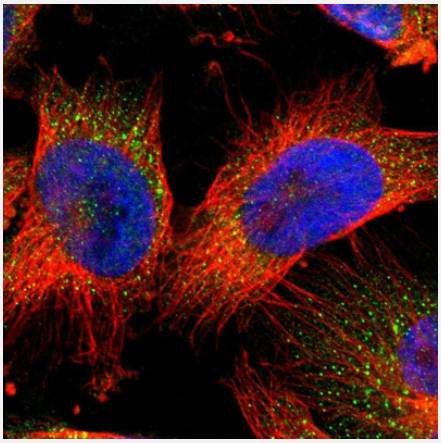
Catalog # PAB30577 Size 100 uL

Applications



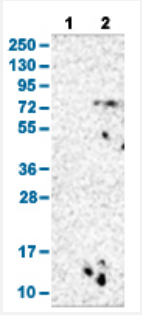
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with AFP polyclonal antibody (Cat # PAB30577) shows extra cellular positivity.



Immunofluorescence

Immunofluorescent staining of human cell line U-251 MG with AFP polyclonal antibody (Cat # PAB30577) shows positivity in cytoplasm. Antibody staining is shown in green.



Western Blot (Transfected lysate)

Western Blot analysis with AFP polyclonal antibody (Cat # PAB30577).
Lane 1: Negative control (vector only transfected HEK293T lysate)
Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)

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Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human AFP.
Immunogen	Recombinant protein corresponding to amino acids 51-184 of human AFP.
Sequence	FAQFVQEATYKEVSKMVKDALTAIEKPTGDEQSSGCLENQLPAFLEELCHEKEILEKYGHSDCCS QSEEGRHNCFLAHKKPTPASIPLFQVPEPVTSCEAYEEDRETFMNKFIYEIARRHPFLYAPTILLWA AR
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1 - 4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200 - 1:500) Western Blot (1:100 - 1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with AFP polyclonal antibody (Cat # PAB30577) shows extra cellular positivity.

- Immunofluorescence

  Immunofluorescent staining of human cell line U-251 MG with AFP polyclonal antibody (Cat # PAB30577) shows positivity in cytoplasm. Antibody staining is shown in green.

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- Western Blot (Transfected lysate)

  Western Blot analysis with AFP polyclonal antibody (Cat # PAB30577).
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Gene Info — AFP

Entrez GeneID	174
Protein Accession#	P02771
Gene Name	AFP
Gene Alias	FETA, HPAFP
Gene Description	alpha-fetoprotein
Omim ID	104150
Gene Ontology	Hyperlink
Gene Summary	This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistance of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. [provided by RefSeq
Other Designations	OTTHUMP00000160480|alpha-1-fetoprotein|alpha-fetoglobulin

Disease

- Carcinoma
- Liver Cirrhosis
- Liver Neoplasms

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