

### Anti-alpha 1 Fetoprotein antibody [AFP-01] ab3980

★★★★★ [3 Abreviews](#) [39 References](#) [画像数 1](#)

#### 製品の概要

製品名	Anti-alpha 1 Fetoprotein antibody [AFP-01]
製品の詳細	Mouse monoclonal [AFP-01] to alpha 1 Fetoprotein
由来種	Mouse
特異性	The antibody reacts with human alpha-Fetoprotein (AFP), an oncofetal antigen of 70 kDa. AFP is a major fetal plasma protein, but is not present in healthy adult tissues. Elevated AFP concentrations in adult plasma may be an early marker of hepatocellular carcinoma or teratoblastoma, while high concentrations in amniotic fluid may indicate severe congenital defects of a fetus.
アプリケーション	<b>適用あり:</b> ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Full length native protein (purified) corresponding to Human alpha 1 Fetoprotein.
ポジティブ・コントロール	ICC/IF: MCF7 cells
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
精製度	Proprietary Purification
特記事項(精製)	Purified by precipitation and chromatography
ポリ/モノ	モノクローナル

クローン名	AFP-01
ミエローマ	unknown
アイソタイプ	IgG1
軽鎖の種類	unknown

## アプリケーション

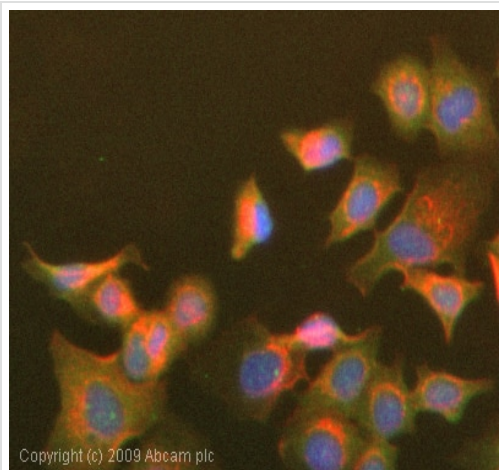
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab3980の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (2)	Use a concentration of 5 µg/ml.

## ターゲット情報

機能	Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties.
組織特異性	Plasma. Synthesized by the fetal liver and yolk sac.
配列類似性	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
発生段階	Occurs in the plasma of fetuses more than 4 weeks old, reaches the highest levels during the 12th-16th week of gestation, and drops to trace amounts after birth. The serum level in adults is usually less than 40 ng/ml. AFP occurs also at high levels in the plasma and ascitic fluid of adults with hepatoma.
翻訳後修飾	Independent studies suggest heterogeneity of the N-terminal sequence of the mature protein and of the cleavage site of the signal sequence. Sulfated.
細胞内局在	Secreted.

## 画像



Immunocytochemistry/ Immunofluorescence - Anti-alpha 1 Fetoprotein antibody [AFP-01] (ab3980)

ICC/IF image of ab3980 stained MCF7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3980, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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