

Product datasheet

Anti-alpha 1 Fetoprotein antibody ab116016

Overview

Product name	Anti-alpha 1 Fetoprotein antibody
Description	Rabbit polyclonal to alpha 1 Fetoprotein
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IHC-Fr, ICC
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide (~31 amino acids) corresponding to a internal region of Human alpha 1 Fetoprotein, conjugated with KLH.
Positive control	Human fetal liver, Human tonsil and Human hepatocellular carcinoma tissues.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 98% PBS, 1% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab116016** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/200.
IHC-Fr		1/50 - 1/200.

Application	Abreviews	Notes
ICC		1/50 - 1/200.

Target

Function	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.
Tissue specificity	Plasma. Synthesized by the fetal liver and yolk sac.
Sequence similarities	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
Developmental stage	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.
Post-translational modifications	Independent studies suggest heterogeneity of the N-terminal sequence of the mature protein and of the cleavage site of the signal sequence. Sulfated.
Cellular localization	Secreted.

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