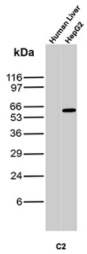
Alpha Fetoprotein Antibody [clone C2] (V2479)

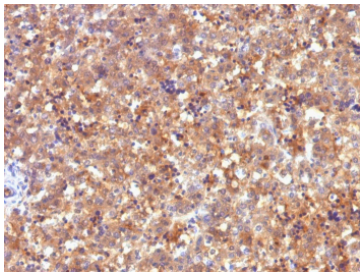
Catalog No.	Formulation	Size
V2479-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2479-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2479SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2479IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	C2
Purity	Protein G affinity chromatography
UniProt	P02771
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This Alpha Fetoprotein antibody is available for research use only.



AFP Antibody Human Liver and HepG2 WB. Western blot analysis of human liver and HepG2 cell lysates using Alpha Fetoprotein Antibody (clone C2) detects a band at approximately 65-70 kDa in HepG2 cells, consistent with the expected molecular weight of Alpha fetoprotein. No band is observed in adult human liver lysate, reflecting the known suppression of AFP expression in normal adult liver and its re-expression in hepatocellular carcinoma-derived cells.



Alpha Fetoprotein Antibody Fetal Liver Immunohistochemistry. IHC analysis of formalin-fixed, paraffin-embedded human fetal liver with Alpha Fetoprotein antibody (clone C2).

Description

Alpha Fetoprotein Antibody recognizes an oncofetal glycoprotein with a single chain of 70kDa, which is identified as alpha fetoprotein (AFP) (ISOBM TD-2 workshop). This mAb is highly specific to AFP and shows no cross-reaction with other oncofetal antigens or serum albumin. AFP is normally synthesized in the liver, intestinal tract, and yolk sac of the fetus. Antibody to AFP has been shown to be useful in detecting hepatocellular carcinomas (HCC) and germ cell neoplasms, especially yolk sac tumors.

This antibody can be compared with our AFP Antibody cocktail (clones C2 + C3 + MBS-12) for robust detection of alpha fetoprotein across multiple assay formats in tumor marker studies.

Application Notes

Optimal dilution of the Alpha Fetoprotein antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

AFP purified from serum of a hepatoma patient was used as the immunogen for the Alpha Fetoprotein antibody.

Storage

Store the Alpha Fetoprotein antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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