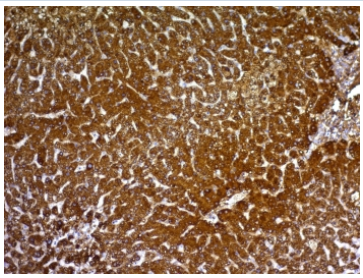
HepPar1 Antibody [clone HepPar1] (V3109)

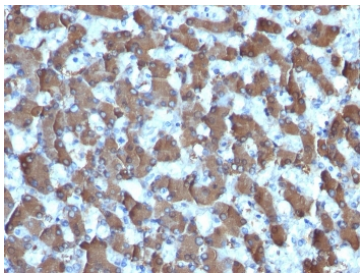
Catalog No.	Formulation	Size
V3109-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3109-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3109SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3109IHC-7ML	Prediluted 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
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HepPar1
Purity	Protein G affinity chromatography
UniProt	Not Known
Localization	Finely granular cytoplasmic
Applications	Immunofluorescence : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This HepPar-1 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained with HepPar1 antibody (clone HepPar1).



IHC: Formalin-fixed, paraffin-embedded human liver stained with HepPar1 antibody (clone HepPar1).

Description

Hepatocyte Paraffin 1 or HepPar-1 localizes to the mitochondria of hepatocytes. It is a sensitive marker for distinguishing hepatocellular carcinomas (HCC) from other metastatic carcinomas as well as cholangio-carcinomas. HCC s occur primarily in the stomach, but they are also found in many other organs. The Hepatocyte Specific Antigen may also be a useful marker for intestinal metaplasia. Reportedly, strong expression of the Hepatocyte Specific Antigen correlates with smaller tumor size and longer patient survival. Occasionally, Hepatocyte Specific Antigen is also found in gastric carcinomas as well as in a few other non-hepatic tumors.

Application Notes

Optimal dilution of the HepPar1 antibody should be determined by the researcher.

1.Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, 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

Extract of a formalin-fixed, rejected-allograft of a human liver was used as the immunogen for the HepPar1 antibody.

Storage

Store the HepPar1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).