Human Hepassocin/FGL1 Antibody

Monoclonal Mouse IgG_1 Clone # 1052936

Catalog Number: MAB112302

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Hepassocin/FGL1 in direct ELISA.
Source	Monoclonal Mouse IgG_1 Clone # 1052936
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Hepassocin/FGL1 Met1-Ile312 Accession # BAB70690
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

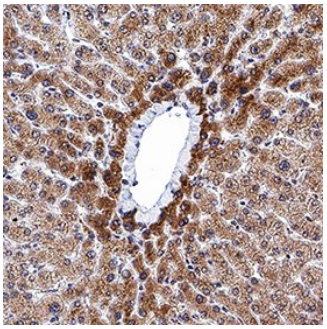
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Immunocytochemistry	8-25 µg/mL	Immersion fixed HepG2 human hepatocellular carcinoma cell line (positive) and K562 human chronic myelogenous leukemia cell line (negative)
Immunohistochemistry	5-25 µg/mL	Immersion fixed paraffin-embedded sections of human liver.

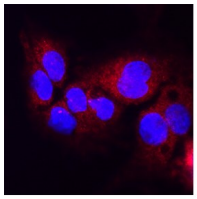
DATA

Immunohistochemistry

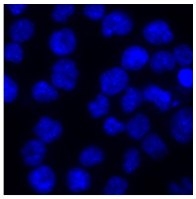


Detection of Hepassocin/FGL1 in Human Liver. Hepassocin/FGL1 was detected in immersion fixed paraffin-embedded sections of human liver using Mouse Anti-Human Hepassocin/FGL1 Monoclonal Antibody (Catalog # MAB112302) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in hepatocytes. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.

Immunocytochemistry



HepG2 (Positive) cells



K562 (Negative) cells

Detection of Hepassocin/FGL1 in HepG2 Human hepatocellular carcinoma cell line (positive) and K562 Human chronic myelogenous leukemia cell line (negative). Hepassocin/FGL1 was detected in immersion fixed HepG2 human hepatocellular carcinoma cell line (positive) and K562 human chronic myelogenous leukemia cell line (negative) using Mouse Anti-Human Hepassocin/FGL1 Monoclonal Antibody (Catalog # MAB112302) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GLOBAL info@bio-techne.com techsupport@bio-techne.com bio-techne.com/find-us/distributors TEL +1(612) 379 2956
NORTH AMERICA TEL 800 343 7475 • EUROPE | MIDDLE EAST | AFRICA TEL +44 (0)1235 529449
CHINA info.cn@bio-techne.com TEL +86 (21) 52380373

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BACKGROUND

Hepassocin, also known as hepatocyte-derived fibrinogen-related protein 1 (HFREP-1) and FGL1, is a liver-specific secreted protein belonging to the fibronogen superfamily, whose members share a fibrinogen domain at their C-termini. Hepassocin may play a role in the development of hepatocellular carcinomas.

GLOBAL info@bio-techne.com techsupport@bio-techne.com bio-techne.com/find-us/distributors TEL +1(612) 379 2956
NORTH AMERICA TEL 800 343 7475 • EUROPE | MIDDLE EAST | AFRICA TEL +44 (0)1235 529449
CHINA info.cn@bio-techne.com TEL +86 (21) 52380373