

## DESCRIPTION

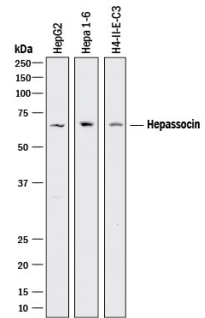
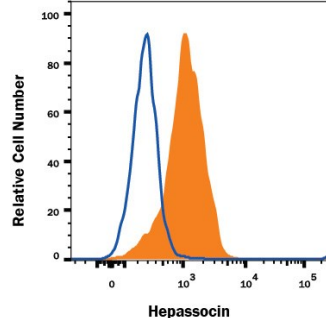
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human Hepassocin in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Hepassocin Met1-Ile312 Accession # BAB70690
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below
<b>Intracellular Staining by Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below

## DATA

<b>Western Blot</b>	<b>Intracellular Staining by Flow Cytometry</b>
 <p><b>Detection of Human, Mouse, and Rat Hepassocin by Western Blot.</b> Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line, Hepa 1-6 mouse hepatoma cell line, and H4-II-E-C3 rat hepatoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat Hepassocin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1614) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for Hepassocin homodimer at approximately 65 kDa (as indicated). Hepassocin is resistant to reducing conditions (1). This experiment was conducted under reducing conditions and using <a href="#">Immunoblot Buffer Group 1</a>.</p>	 <p><b>Detection of Hepassocin in HepG2 Human Cell Line by Flow Cytometry.</b> HepG2 human hepatocellular carcinoma cell line was stained with Goat Anti-Human/Mouse/Rat Hepassocin Antigen Affinity-Purified Polyclonal Antibody (Catalog # AF1614, filled histogram) or control antibody (Catalog # AB-108-C, open histogram), followed by Allophycocyanin-conjugated Anti-Goat IgG Secondary Antibody (Catalog # F0108). View our protocol for <a href="#">Staining Intracellular Molecules</a>.</p>

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Hepassocin, also known as hepatocyte-derived fibrinogen-related protein (HFREP-1), is a liver specific secreted protein containing one fibrinogen C-terminal domain. It exists as a homodimer and is reported to have hepatocyte mitogenic activity (1).

### References:

1. Hara, H. *et al.* (2001) *Biochim. Biophys. Acta.* **1520**:45.