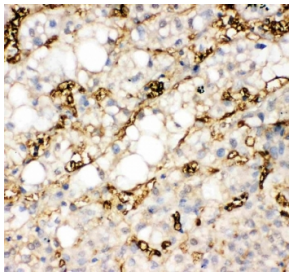
# FABP1 Antibody / Liver (R30331)

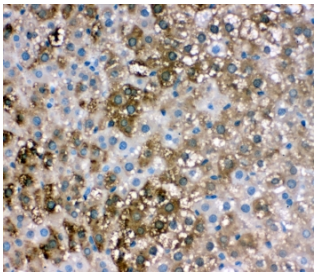
| Catalog No. | Formulation | Size |
|---|---|---|
| R30331 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

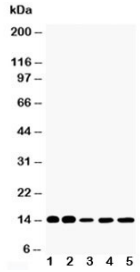
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | P07148 |
| **Localization** | Nuclear, cytoplasmic |
| **Applications** | Western blot: 0.5-1ug/ml<br>IHC (FFPE): 1-2ug/ml |
| **Limitations** | This FABP1 antibody is available for research use only. |



FABP1 Antibody Liver Cancer Immunohistochemistry. IHC-P: FABP1 antibody testing of human liver cancer tissue. HIER: steamed with pH6 citrate buffer.



FABP1 Antibody Rat Liver Immunohistochemistry. IHC-P testing of FABP1 antibody rat liver tissue. HIER: steamed with pH6 citrate buffer.




Western blot testing of FABP1 antibody and Lane 1: rat liver; 2: rat kidney; 3: HeLa; 4: (mouse) Neuro-2a; 5: (human) SMMC-7721 cell lysate. Predicted molecular weight: ~14 kDa.

## Description

FABP1 Antibody detects Fatty acid binding protein 1, also known as FABP1 or FABPL, a human gene locating at 2p11. FABPL encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind free fatty acids, their CoA derivatives, bilirubin, organic anions, and other small molecules. FABP1 and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is though that FABPs roles include fatty acid uptake, transport, and metabolism. The liver form of FABP may be identical to the major liver protein-1(Lvp-1), which is encoded by a gene situated within 1 cM of Ly-2.

Researchers interested in a broadly validated FABP1 antibody for lipid metabolism and fatty acid transport studies may also benefit from our HuProt-validated FABP1 antibody clone FABP1/3487, supported by western blot, immunohistochemistry, and protein microarray specificity data.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the FABP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human FABP1 (EAFMKAIGLPEELIQK) was used as the immunogen for this FABP1 antibody.

## Storage

After reconstitution, the FABP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.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