

# **Human FATP2 Antibody**

Monoclonal Mouse IgG<sub>1</sub> Clone # 466106 Catalog Number: MAB4659

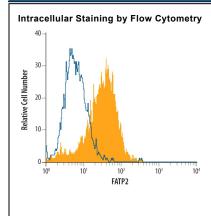
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human FATP2. Stains human FATP2 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG <sub>1</sub> Clone # 466106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human FATP2 Met1-Leu620 Accession # O14975
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
Intracellular Staining by Flow Cytometry	2.5 µg/10 <sup>6</sup> cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

#### DATA



Detection of FATP2 in HepG2 Human Cell Line by Flow Cytometry.

HepG2 human hepatocellular carcinoma cell line was stained with Mouse Anti-Human FATP2 Monoclonal Antibody (Catalog # MAB4659, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody (Catalog # F0102B). To facilitate intracellular staining, cells were fixed with paraformaldehyde and permeabilized with saponin.

## 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
04 1 1114 0 04	

## 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.

# BACKGROUND

Fatty Acid Transport Protein 2 (FATP2), also known as SLC27A2 (solute carrier family 27, member 2), is a multipass transmembrane protein that participates in the transport and metabolism of long chain fatty acids. It has acyl-CoA synthase activity and contains an AMP-binding motif. FATP2 localizes to the endoplasmic reticulum and is predominantly expressed in the liver and kidney. Human FATP2 shares 82% as sequence identity with mouse and rat FATP2.

Rev. 2/7/2018 Page 1 of 1

