

Recombinant human FABP-1 protein ab206788

3 Images

Description	
Product name	Recombinant human FABP-1 protein
Biological activity	Specific activity is > 60 units/mg, and is defined as the amount of enzyme that convert 1µmole of α-ketoglutarate to L-Glutamate per minute at pH 8.0 at 25°C.
Purity	> 95 % SDS-PAGE. ab206788 was purified using conventional chromatography techniques.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	<u>P00505</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSSSWWTHVEMGPPDP ILGVTEAFKRDTN SKKMNLGVGAYRDDNGKPYVLPSVRKAEAQIAAKNLDKE YLPIGGLAEFC KASAEALGENSEVLKSGRFVTVTISGTGALRIGASFLQR FFKFSDRVF LPKPTWGNHTPIFRDAGMQLQGYRYDPKTCGFDFTGAV EDISKIQESV LLHACAHNPTGVDPRPEQWKEIATVVKRNLF AFFDMA YQGFASGDGDK DAWAVRHFIEQGINVCLCQSYAKNMGLYGERVGAFTMVC KDADEAKRVES QLKILIRPMYSNPPLNGARIAAAILNTPDLRKQWLQEVKVM ADRIIGMRT QLVSNLKKEGSTHNWQHITDQIGMFCFTGLKPEQVERLIK EFSYMTKDG RISVAGVTSSNVGYLAHAIHQVTK
Predicted molecular weight	47 kDa including tags
Amino acids	30 to 430
Tags	His tag N-Terminus

**Additional sequence information** This product is for the mature full length protein. The transit peptide is not included. NP\_002071.

## Specifications

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Our **Abpromise guarantee** covers the use of **ab206788** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies
	Mass Spectrometry
	SDS-PAGE
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid
<b>Additional notes</b>	Previously labelled as GOT2.

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 8.00
	Constituents: 10% Glycerol (glycerin, glycerine), 0.32% Tris HCl, 0.87% Sodium chloride, 0.02% DTT
	This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

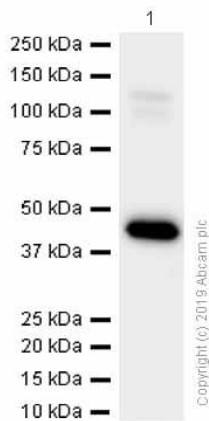
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<b>Function</b>	Plays a key role in amino acid metabolism. Important for metabolite exchange between mitochondria and cytosol. Facilitates cellular uptake of long-chain free fatty acids.
<b>Sequence similarities</b>	Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.
<b>Cellular localization</b>	Mitochondrion matrix. Cell membrane. Exposure to alcohol promotes translocation to the cell membrane.

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## Images

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Western blot - Recombinant human FABP-1 protein (ab206788)

Anti-FABP-1 antibody [EPR12354(B)] (**ab171739**) at 1/1000 dilution + Recombinant human FABP-1 protein (ab206788) at 0.015 µg

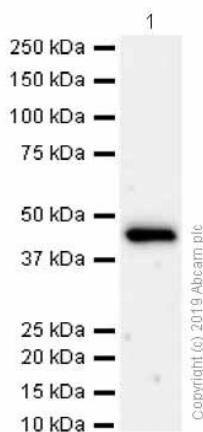
#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Observed band size:** 47 kDa

**Exposure time:** 10 seconds

Blocking and dilution buffer: 5% NFDM/TBST.



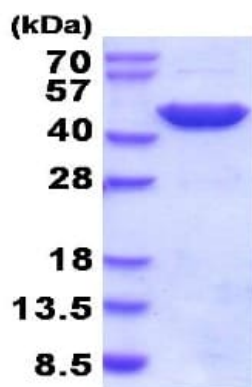
Western blot - Recombinant human FABP-1 protein (ab206788)

Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (**ab170950**) at 1/1000 dilution + Recombinant human FABP-1 protein (ab206788) at 0.015 µg

#### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Exposure time:** 180 seconds



SDS-PAGE - Recombinant human FABP-1 protein (ab206788)

15% SDS-PAGE analysis of ab206788 (3µg).

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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