

Product datasheet

Recombinant Human FABP4 protein ab63283

1 Image

Overview

Product name Recombinant Human FABP4 protein

Protein length Full length protein

Description

Nature Recombinant

Source Escherichia coli

Amino Acid Sequence

Species Human

Sequence
M-CDAFVGTWK LVSSNFDDY MKEVGVGFAT
RKVAGMAKPN MIISVNGDVI TIKSESTFKN
TEISFILGQE FDEVTADDRK VKSTITLDGG
VLVHVQKWDG KSTTIKRKRE DDKLVVECVM
KGV TSTRVYE RA

Specifications

Our [Abpromise guarantee](#) covers the use of **ab63283** in the following tested applications.

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

Applications Western blot

ELISA

Purity > 90 % SDS-PAGE.

Please filter the product by an appropriate sterile filter before using it in cell culture.

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

Preservative: None

Constituents: PBS

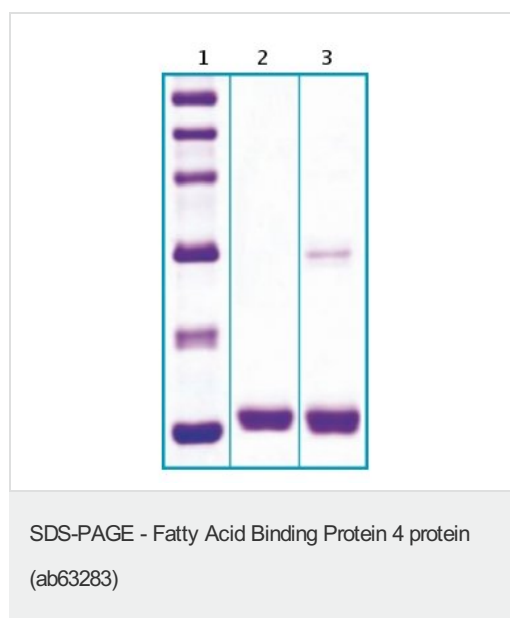
Reconstitution Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the

lyophilized pellet dissolve completely.

General Info

Function	Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.
Sequence similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
Domain	Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.
Cellular localization	Cytoplasm. Nucleus. Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.

Images



LANE 1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa. LANE 2. reduced and heated sample, 5µg/lane. LANE 3. non-reduced and non-heated sample, 5µg/lane.

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