

Anti-Fatty acid-binding protein 4 (secreted) [Fab CA33] Bulk Size Ab00428-10.7-BT

Recombinant monoclonal antibody to Fatty acid-binding protein 4 (secreted). Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the B-cell clone Fab CA33. This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Kappa

Clone Number: Fab CA33

Alternative Name(s) of Target: FABP4; Adipocyte Protein 2; aP2

UniProt Accession Number of Target Protein: P04117

Published Application(s): Blocking, crystallography

Published Species Reactivity: Human

Immunogen: This antibody was generated by immunising New Zealand White rabbits with a mixture containing recombinant human and mouse aP2 (CAG33184.1 and CAJ18597.1, respectively).

Specificity: This antibody binds to both human and murine Fatty acid-binding protein.

Application Notes: The antibody binds to human Fatty-acid binding protein 4, which transports lipids and retinoic acids to their receptors. Administration of CA33 lowered fasting blood glucose, improved systemic glucose metabolism, increased systemic insulin sensitivity, and reduced fat mass and liver steatosis in obese mouse models.

Antibody First Published in: Burak et al. Development of a therapeutic monoclonal antibody that targets secreted fatty acid-binding protein aP2 to treat type 2 diabetes *Science Translational Medicine* 2015; 7:319ra205 [PMID:26702093](#)

Note on publication: Describes the generation and characterisation of this antibody.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg /ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.