

Anti-Fatty acid-binding protein 4 (secreted) [Fab CA33] Standard Size Ab00428-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Rabbit format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, 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: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.