Anti-Insulin-degrading Enzyme [Fab-IDE] Standard Size Ab00406-10.7

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.

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

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Kappa
Clone Number: Fab-IDE
Alternative Name(s) of Target: IDE; Insulin Protease
UniProt Accession Number of Target Protein: P14735
Published Application(s): ELISA
Published Species Reactivity: Human
Immunogen: Human IDE.
Specificity: Binds specificially to human IDE with a Kd of 3.72 nM.
Application Notes: This antibody binds human insulin degrading enzyme, which breaks down insulin as well as amyloid peptides and is suggested to play a role in both diabetes and Alzheimer's. Antibody binding does not affect steady-state kinetics of IDE.
Antibody First Published in: McCord et al. Conformational states and recognition of amyloidogenic peptides of human insulin-degrading enzyme. Proceedings of the National Academy of Sciences of the USA 2013; 110(34):13827-13832 PMID:23922390
Note on publication: Describes the generation of an antibody against human IDE and crystallisation of the complex.

Product Form

Size: 100 µg Purified antibody.
Purification: Purified by Immobilized Metal Affinity Chromatography
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4^{0}C for up to 3 months. For longer storage, aliquot and store at -

20ºC.

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.