



Anti-FABP3 monoclonal antibody, clone 10E1 (CABT-52860MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Human H-FABP antibody, clone 10E1 detects human H-FABP, also known as heart type fatty-acid binding protein, and FABP3. H-FABP belongs to the FABP family, and is a 14kDa cytosolic non-enzymatic protein involved in the uptake, transport and metabolism of fatty acids. H-FABP also has a role in cell proliferation and is a candidate tumour suppressor gene in breast cancer. H-FABP was initially purified from the heart muscle, but has since been found to have a widespread tissue distribution, with highest concentration in cardiac and skeletal muscle. H-FABP has been implicated in neurodegenerative disorders, including Down syndrome and Alzheimer's disease, and is a specific and sensitive biomarker for acute myocardial infarctions.

Specificity	FABP3
Immunogen	Human heart FABP (H-FABP)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	10E1
Conjugate	Unconjugated
Applications	ELISA; IA
Format	Purified IgG - liquid
Size	200 µg
Preservative	0.09% Sodium Azide

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	FABP3 fatty acid binding protein 3, muscle and heart [Homo sapiens (human)]
Official Symbol	FABP3
Synonyms	FABP3; fatty acid binding protein 3, muscle and heart; MDGI; FABP11; H-FABP; M-FABP; O-FABP; fatty acid-binding protein, heart; fatty acid binding protein 11; mammary-derived growth inhibitor; muscle fatty acid-binding protein; Fatty acid-binding protein
Entrez Gene ID	2170
Protein Refseq	NP_004093
UniProt ID	P05413
Chromosome Location	1p33-p32
Pathway	PPAR signaling pathway;
Function	cytoskeletal protein binding; icosatetraenoic acid binding; long-chain fatty acid binding; long-chain fatty acid transporter activity; oleic acid binding; protein binding;