

Product datasheet for **CF813117**

Diazepam Binding Inhibitor (DBI) Mouse Monoclonal Antibody [Clone ID: OTI3A10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A10
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 2-104 of human DBI (NP_065438) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	11.6 kDa
Gene Name:	diazepam binding inhibitor, acyl-CoA binding protein
Database Link:	NP_065438 Entrez Gene 1622 Human P07108



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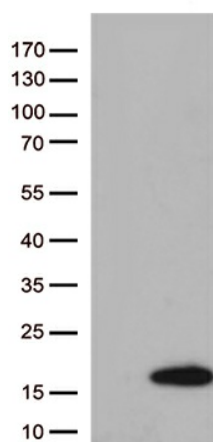
Background: Binds medium- and long-chain acyl-CoA esters with very high affinity and may function as an intracellular carrier of acyl-CoA esters. It is also able to displace diazepam from the benzodiazepine (BZD) recognition site located on the GABA type A receptor. It is therefore possible that this protein also acts as a neuropeptide to modulate the action of the GABA receptor. [UniProtKB/Swiss-Prot Function]

Synonyms: ACBD1; ACBP; CCK-RP; EP

Protein Families: Druggable Genome

Protein Pathways: PPAR signaling pathway

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DBI (Cat# [RC208982], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DBI (Cat# [TA813117])(1:500).