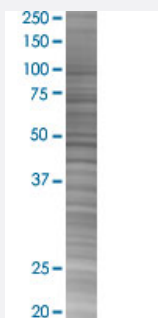


DBI 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001622-T02

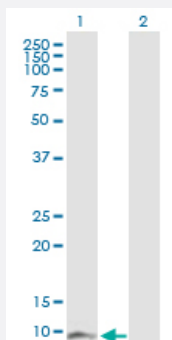
Size 100 uL

Applications



SDS-PAGE Gel

DBI transfected lysate.



Western Blot

Lane 1: DBI transfected lysate (11.80 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-DBI full-length

Host Human

Theoretical MW (kDa) 11.8

Quality Control Testing Transient overexpression cell lysate was tested with Anti-DBI antibody ([H00001622-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 DBI transfected lysate.
 Western Blot
 Lane 1: DBI transfected lysate (11.80 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — DBI

Entrez GeneID[1622](#)**GeneBank Accession#**[NM_020548](#)**Protein Accession#**[NP_065438.1](#)**Gene Name**

DBI

Gene Alias

ACBD1, ACBP, CCK-RP, EP, MGC70414

Gene Description

diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)

Omim ID[125950](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulate signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. The protein is conserved from yeast to mammals, with the most highly conserved domain consisting of seven contiguous residues that constitute the hydrophobic binding site for medium- and long-chain acyl-Coenzyme A esters. Diazepam binding inhibitor is also known to mediate the feedback regulation of pancreatic secretion and the postprandial release of cholecystokinin, in addition to its role as a mediator in corticotropin-dependent adrenal steroidogenesis. Three pseudogenes located on chromosomes 6, 8 and 16 have been identified. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations

GABA receptor modulator|acyl coenzyme A binding protein|acyl-Coenzyme A binding domain containing 1|cholecystokinin-releasing peptide, trypsin-sensitive|diazepam binding inhibitor|diazepam binding inhibitor, splice form 1c|endozepine

Pathway

- [PPAR signaling pathway](#)

Disease

- [Agoraphobia](#)
- [Anxiety Disorders](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Panic Disorder](#)