



Anti-DBI (aa 1-104) polyclonal antibody (DPAB-DC707)

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

PRODUCT INFORMATION

Antigen Description

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.

Immunogen

DBI (NP_065438, 1 a.a. ~ 104 a.a) partial recombinant protein with GST tag. The sequence is
 MWGDLWLLPPASANPGTGTEAEFEKAAEEVRHLKTKPSDEEMLFIYGHYKQATVGDINTE
 RPGMLDFTGAKWDAWNELKGTSKEDAMKAYINKVEELKKYGI

Source/Host

Mouse

Species Reactivity

Human

Conjugate

Unconjugated

Applications

WB (Cell lysate), WB (Recombinant protein), ELISA,

Size

50 µl

Buffer

50 % glycerol

Preservative

None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DBI diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) [Homo sapiens (human)]
Official Symbol	DBI
Synonyms	DBI; diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein); EP; ACBP; ACBD1; CCK-RP; acyl-CoA-binding protein; endozepine; GABA receptor modulator; diazepam-binding inhibitor; acyl coenzyme A binding protein; acyl-Coenzyme A binding domain containing 1; cholecystokinin-releasing peptide, trypsin-sensitive; diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein);
Entrez Gene ID	1622
Protein Refseq	NP_001073331
UniProt ID	P07108
Chromosome Location	2q12-q21
Pathway	PPAR signaling pathway;
Function	benzodiazepine receptor binding; lipid binding; long-chain fatty acyl-CoA binding; protein dimerization activity
