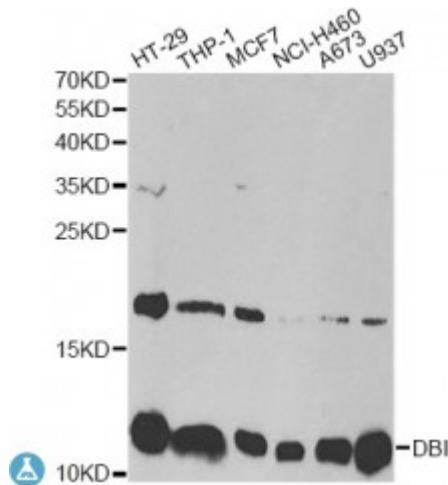


## Anti-DBI Antibody



### 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.

<b>Model</b>	STJ115257
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	IF, IHC, WB
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-114 of human DBI (NP_001171513.1).
<b>Gene ID</b>	<a href="#">1622</a>
<b>Gene Symbol</b>	<a href="#">DBI</a>
<b>Dilution range</b>	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

<b>Tissue Specificity</b>	Isoform 1 is ubiquitous, with a moderate expression level, Isoform 2 is ubiquitous with high level in liver and adipose tissue, Isoform 3 is ubiquitous with strong expression in adipose tissue and heart
<b>Purification</b>	Affinity purification
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Acyl-CoA-binding protein ACBP Diazepam-binding inhibitor DBI Endozepine EP
<b>Molecular Weight</b>	10.044 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage Instruction</b>	Store at -20C. Avoid freeze / thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:2690</a> <a href="#">OMIM:125950</a> <a href="#">Reactome:R-HSA-77289</a>
<b>Alternative Names</b>	Acyl-CoA-binding protein ACBP Diazepam-binding inhibitor DBI Endozepine EP
<b>Function</b>	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
<b>Cellular Localization</b>	Endoplasmic reticulum,

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