

Product datasheet for **TA355569**

Diazepam Binding Inhibitor (DBI) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	Expected reactivity: Human Homology: Human: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	12kDa
Gene Name:	diazepam binding inhibitor, acyl-CoA binding protein
Database Link:	NP_065438 Entrez Gene 1622 Human B8ZWD2



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Background:

DBI is diazepam binding inhibitor. The 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. DBI 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.

Synonyms:

ACBD1; ACBP; CCK-RP; endozepine; EP; MGC70414; OTTHUMP00000203629

Protein Families:

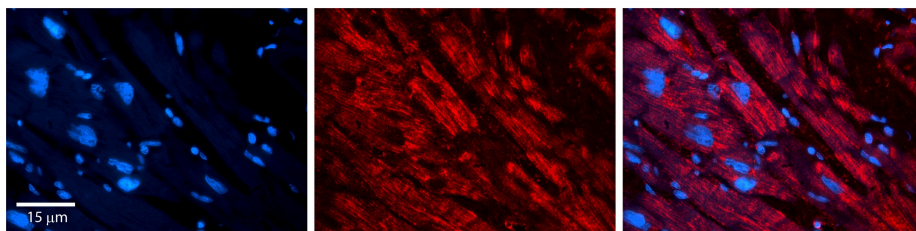
Druggable Genome

Protein Pathways:

PPAR signaling pathway

Product images:


WB Suggested Anti-DBI Antibody
Titration: 1.0 ug/ml
Positive Control: HT1080 Whole Cell



Rabbit Anti-DBI Antibody
Catalog Number: TA355569
Formalin Fixed Paraffin Embedded Tissue:
Human heart Tissue
Observed Staining: Cytoplasmic
Primary Antibody Concentration: 1:100
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5–2.0 sec