

**Product Name: ACBP Rabbit Polyclonal Antibody****Catalog #: APRab06477**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	10kDa

**Antigen Information**

<b>Gene Name</b>	DBI
<b>Alternative Names</b>	DBI; Acyl-CoA-binding protein; ACBP; Diazepam-binding inhibitor; DBI; Endozepine; EP
<b>Gene ID</b>	1622.0
<b>SwissProt ID</b>	P07108
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human DBI. AA range:38-87

**Background**

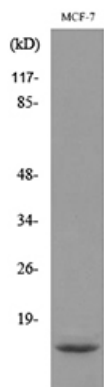
This gene encodes diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and

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 function: 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. similarity: Belongs to the ACBP family. similarity: Contains 1 ACB (acyl-CoA-binding) domain. subunit: Monomer.

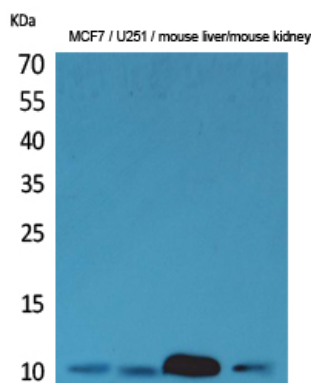
## Research Area

PPAR;

## Image Data



Western blot analysis of lysate from MCF7 cells, using DBI Antibody.



Western Blot analysis of MCF7, U251, mouse liver, mouse kidney cells using ACBP Polyclonal Antibody. Secondary antibody was diluted at 1:20000