
Product Name: ACBP Rabbit Polyclonal Antibody**Catalog #: APRab06476**

For research use only.

Summary

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

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	10kDa

Antigen Information

Gene Name	DBI
Alternative Names	DBI; Acyl-CoA-binding protein; ACBP; Diazepam-binding inhibitor; DBI; Endozepine; EP
Gene ID	1622.0
SwissProt ID	P07108
Immunogen	The antiserum was produced against synthesized peptide derived from human ACBP. AA range:25-74

Background

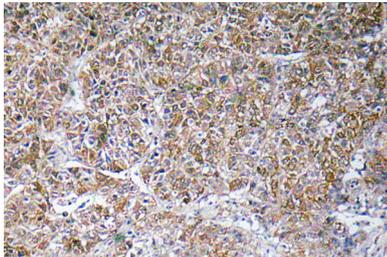
This gene encodes diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and

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



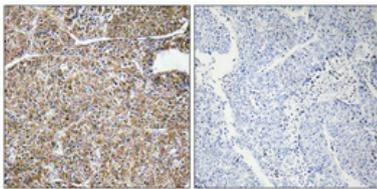
Immunohistochemistry analysis of ACBP antibody in paraffin-embedded human liver carcinoma tissue.



Western blot analysis of lysate from HuvEc cells, using ACBP antibody.



Western Blot analysis of various cells using ACBP Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.