

Datasheet for ABIN6139420

anti-Diazepam Binding Inhibitor antibody (AA 1-114)[Go to Product page](#)

7 Images

Overview

Quantity:	100 µL
Target:	Diazepam Binding Inhibitor (DBI)
Binding Specificity:	AA 1-114
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Diazepam Binding Inhibitor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-114 of human DBI (NP_001171513.1).
Sequence:	MWGDLWLLPP ASANPGTGTE AEFKAAEEV RHLKTKPSDE EMLFIYGHYK QATVGDINTE RPGMLDFTGK AKWDAWNEK GTSKEDAMKA YINKVEELKK KYGI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

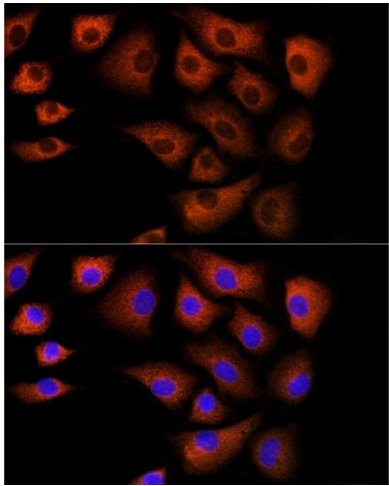
Target:	Diazepam Binding Inhibitor (DBI)
Alternative Name:	DBI (DBI Products)
Background:	<p>This gene encodes diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulate signal transduction 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.,DBI,ACBD1,ACBP,CCK-RP,EP,Endocrine & Metabolism,Endocrine and metabolic diseases,Obesity,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,DBI</p>
Molecular Weight:	10 kDa/11 kDa/13 kDa/14 kDa/16 kDa
Gene ID:	1622
UniProt:	P07108

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

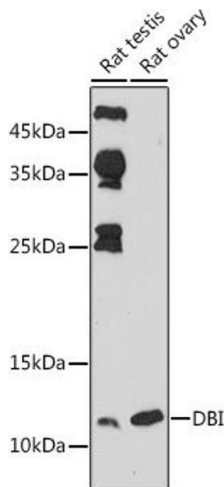
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



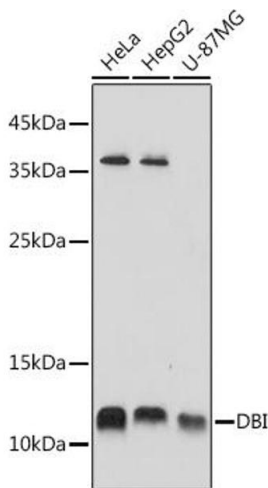
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using DBI Rabbit pAb (ABIN6127407, ABIN6139420, ABIN6139422 and ABIN6217234) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using DBI antibody (ABIN6127407, ABIN6139420, ABIN6139422 and ABIN6217234) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using DBI antibody (ABIN6127407, ABIN6139420, ABIN6139422 and ABIN6217234) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN6139420.