

Datasheet for ABIN2777771

anti-Diazepam Binding Inhibitor antibody (N-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	Diazepam Binding Inhibitor (DBI)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Diazepam Binding Inhibitor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DBI
Sequence:	MSQAEFEKAA EEVRHLKTKP SDEEMLFIYG HYKQATVGDI NTERPGMLDF
Predicted Reactivity:	Cow: 86%, Dog: 79%, Guinea Pig: 92%, Human: 100%, Mouse: 85%, Rabbit: 86%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against DBI. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Diazepam Binding Inhibitor (DBI)
Alternative Name:	DBI (DBI Products)

Target Details

Background:	<p>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. 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.</p> <p>Alias Symbols: ACBD1, ACBP, CCK-RP, EP, MGC70414</p> <p>Protein Interaction Partner: UBC, MAP1LC3B, NSFL1C, DUSP23, NIPSNAP1, RAD23B, RAD23A, GSK3B, UBXN2A, TSPO, PPCDC,</p> <p>Protein Size: 87</p>
Molecular Weight:	10 kDa
Gene ID:	1622
NCBI Accession:	NM_001079862 , NP_001073331
UniProt:	P07108

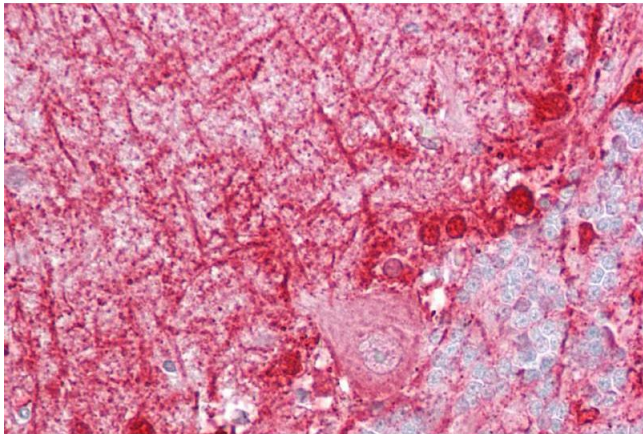
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 87 AA

Application Details

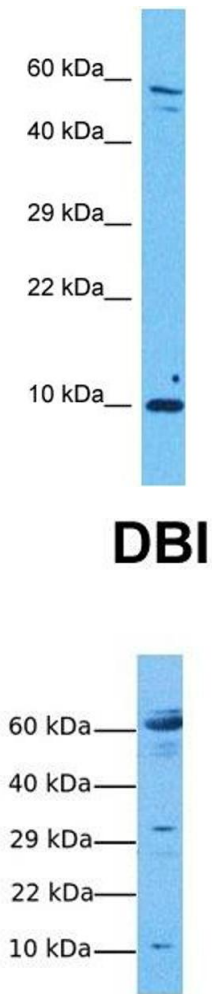
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.

Images



Immunohistochemistry

Image 1. Immunohistochemistry with Brain, cerebellum tissue at an antibody concentration of 5µg/ml using anti-DBI antibody (ARP33135_P050)



Western Blotting

Image 2. Host: Rabbit Target Name: DBI Sample Tissue:
Human Ovary Tumor Antibody Dilution: 1ug/ml

Western Blotting

Image 3. Host: Rabbit Target Name: DBI Sample Tissue:
Human Ovary Tumor Antibody Dilution: 1.0ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2777771.