

Datasheet for ABIN5647032

**anti-Diazepam Binding Inhibitor antibody (AA 2-187)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	Diazepam Binding Inhibitor (DBI)
Binding Specificity:	AA 2-187
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Diazepam Binding Inhibitor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	A human recombinant protein corresponding to amino acids S2-I87 was used as the immunogen for the DBI antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

## Target Details

Target:	Diazepam Binding Inhibitor (DBI)
Alternative Name:	DBI / Diazepam Binding Inhibitor ( <a href="#">DBI Products</a> )
Background:	Acyl-CoA-binding protein, also called Diazepam binding inhibitor, is a protein that in humans is encoded by the DBI gene. This gene encodes diazepam binding inhibitor, a protein that is

## Target Details

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.

UniProt: [P07108](#)

## Application Details

Application Notes: Optimal dilution of the DBI antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 1-2 µg/mL,Flow cytometry: 1-3 µg/10<sup>6</sup> cells

Restrictions: For Research Use only

## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

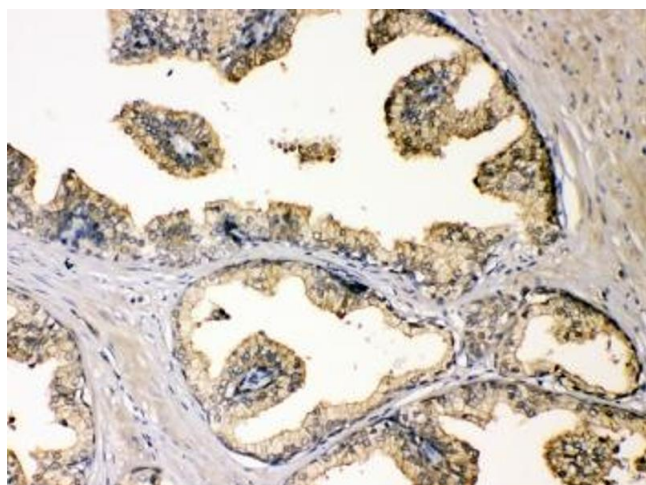
Storage: -20 °C

Storage Comment: After reconstitution, the DBI antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



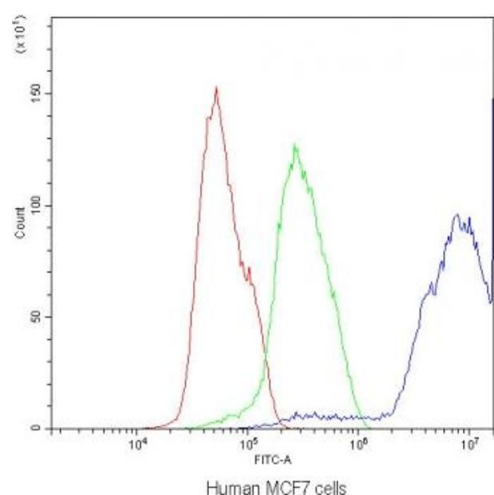
### Western Blotting

**Image 1.** Western blot testing of human placenta lysate with DBI antibody at 0.5ug/ml. Predicted molecular weight ~10 kDa.



### Immunohistochemistry

**Image 2.** IHC testing of FFPE human prostate cancer with DBI antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



### Flow Cytometry

**Image 3.** Flow cytometry testing of human MCF7 cells with DBI antibody at 1ug/ $10^6$  cells (blocked with goat sera)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5647032.