# **DBI** Rabbit pAb

Catalog No.: A13293 1 Publications



## **Basic Information**

#### **Observed MW**

12 kDa

#### **Calculated MW**

10-12 kDa

#### Category

Primary antibody

#### Applications

WB,IF/ICC,IP,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

## **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 have been described for this gene.

## **Recommended Dilutions**

**WB** 1:500 - 1:1000

**IF/ICC** 1:50 - 1:200

**IP** 0.5μg-4μg antibody for

200μg-400μg extracts of

whole cells

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

## **Immunogen Information**

**Gene ID**Swiss Prot
1622
P07108

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

EP; ACBP; ACBD1; CCK-RP; DBI

## **Contact**

<b>a</b>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
$\odot$	ī	www.abclonal.com.cn

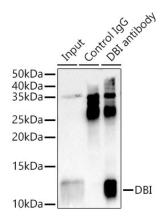
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

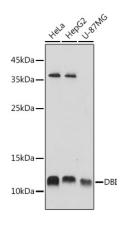
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 300  $\mu$ g extracts of HeLa cells using 3  $\mu$ g DBI antibody (A13293). Western blot was performed from the immunoprecipitate using DBI antibody (A13293) at a dilution of 1:1000.



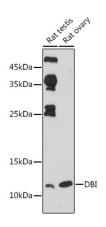
Western blot analysis of various lysates using DBI Rabbit pAb (A13293) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.

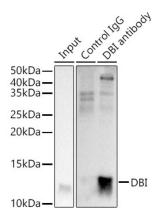


Western blot analysis of various lysates using DBI Rabbit pAb (A13293) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

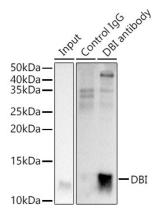
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

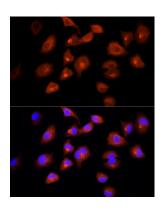
Exposure time: 180s.



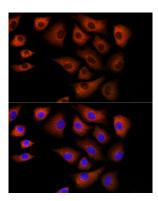
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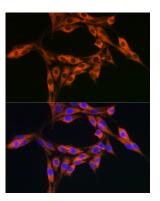
Immunoprecipitation of DBI in 300  $\mu$ g extracts from HeLa cells using 3  $\mu$ g [KO Validated] DBI Rabbit pAb (A13293). Western blot analysis was performed using [KO Validated] DBI Rabbit pAb (A13293) at 1:1000 dilution.



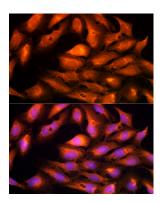
Immunofluorescence analysis of A-549 cells using DBI Rabbit pAb (A13293) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using DBI Rabbit pAb (A13293) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using DBI Rabbit pAb (A13293) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using DBI Rabbit pAb (A13293) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.