

A18024

Leader in Biomolecular Solutions for Life Science



[KO Validated] DBI Rabbit pAb

Catalog No.: A18024 **KO** Validated

Basic Information

Observed MW

10kDa

Calculated MW

10kDa

Category

Polyclonal Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human

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

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

1622

Swiss Prot

P07108

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-114 of human DBI (NP_001171513.1).

Synonyms

EP; ACBP; ACBD1; CCK-RP; BI

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

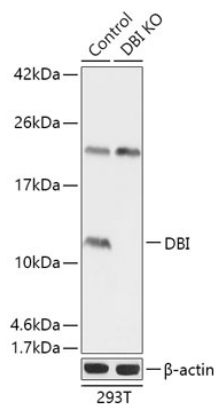
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and DBI knockout (KO) 293T cells, using [KO Validated] DBI Rabbit pAb (A18024) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

Immunoprecipitation of DBI in 300 μ g extracts from HeLa cells using 3 μ g [KO Validated] DBI Rabbit pAb (A18024). Western blot analysis was performed using [KO Validated] DBI Rabbit pAb (A18024) at 1:1000 dilution.

