DBI polyclonal antibody

Catalog: BS60861 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Long chain acyl-CoA esters (LCAs) act as both substrates and intermediates in metabolism, and as regulators of various intracellular functions. Acyl-CoA binding protein (ACBP) specifically binds to LCA with high affinity and regulates its availability. ACBP is structurally and functionally conserved among a diverse group of organisms, including human, rat, frog, insect, plant and yeast. DBI, the gene encoding human ACBP, which maps to chromosome 2, is highly expressed in liver, soleus muscle and heart. The ACBP protein is also abundant in cells with a high level of lipogenesis and de novo fatty acid synthesis. Expression of ACBP is significantly induced during adipocyte differentiation. DBI is a target gene for proliferator-activated receptor (PPAR) γ, and is directly activated by PPARγ/RXR&aipha; and PPAR&aipha;/RXR&aipha;, but not by PPARδ/ RXR&aipha;. In addition to acyl-CoA binding and transport, ACBP is also implicated in g-aminobutyric acid type A receptor binding, steroidogenesis and peptide hormone release.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 10 kD

Swiss-Prot:

P07108

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

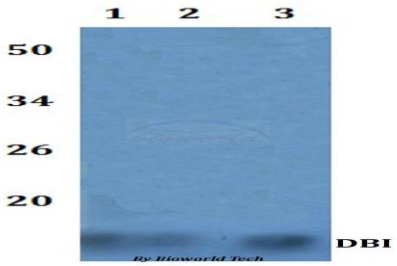
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

DBI polyclonal antibody detects endogenous levels of DBI protein.

DATA:



Western blot (WB) analysis of DBI polyclonal antibody at 1:500 dilution Lane1:HEK293T whole cell lysate

Lane2:RAW264.7 whole cell lysate Lane3:H9C2 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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