ACER1 polyclonal antibody

Catalog: BS60096 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

ASAH3 (N-acylsphingosine amidohydrolase (alkaline ceramidase) 3), also designated ACER1, is a 264 amino acid multi-pass membrane protein that localizes to the membrane of the endoplasmic reticulum. Expressed predominately in epidermal tissue, ASAH3 catalyzes the hydrolysis of the sphingolipid ceramide into sphingosine and a free fatty acid, thereby playing an important role in the regulation of bioactive ceramide and sphingosine levels within the cell. ASAH3 functions at an optimal pH of 8.0 and has high specificity for the natural stereoisomer of ceramide with D-erythro-sphingosine, but not D-ribo-phytosphingosine or D-erythro-dihydrosphingosine as a backbone.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 50 kDa

Swiss-Prot:

Q8TDN7

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

IHC: 1:50~1:200

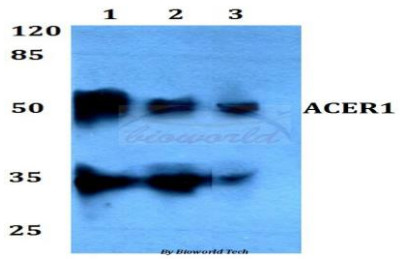
Storage&Stability:

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

Specificity:

ACER1 polyclonal antibody detects endogenous levels of ACER1 protein.

DATA:

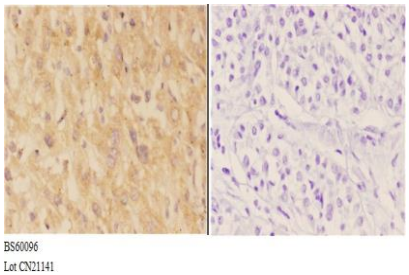


Western blot (WB) analysis of ACER1 polyclonal antibody at 1:500 dilution

Lane1:HepG2 whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of ACER1 pAb bin paraffin-embedded human liver carcinoma tissue at 1:50,showing cytoplasmic staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151