abcam

Product datasheet

Anti-BSCL2/Seipin antibody ab106793

★★★★☆ **1 Abreviews**   **8 References**   3 图像

概述

产品名称	Anti-BSCL2/Seipin抗体
描述	兔多克隆抗体to BSCL2/Seipin
宿主	Rabbit
经测试应用	**适用于:** WB, IHC-P
种属反应性	**与反应:** Mouse, Rat, Human
	预测可用于: Cow, Dog, Pig, Chimpanzee, Macaque monkey, Gorilla, Orangutan ⚠
免疫原	Synthetic peptide corresponding to Human BSCL2/Seipin aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab125933**)
阳性对照	WB: Human, mouse and rat brain; Mouse and rat testis lysate. IHC-P: Human testis tissue.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified

克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee	Abpromise™承诺保证使用ab106793于以下的经测试应用

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳的稀释度/浓度应由使用者**检定。

应用	Ab评论	说明
WB	★★★★☆ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 46 kDa (predicted molecular weight: 44 kDa).
IHC-P		Use a concentration of 5 µg/ml.

靶标

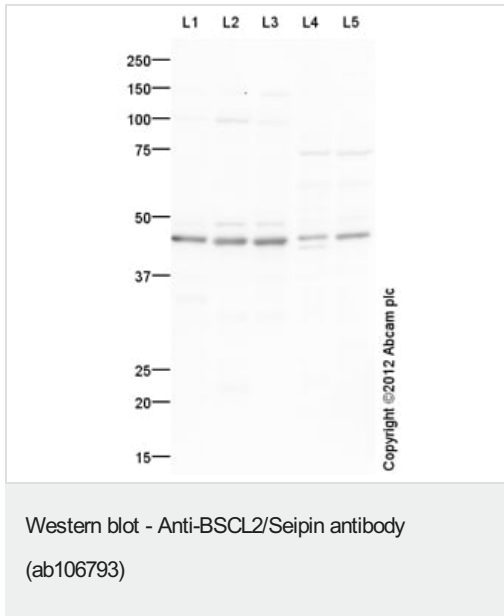| 组织特异性	Highest expression in brain and testis.
疾病相关	Defects in BSCL2 are the cause of congenital generalized lipodystrophy type 2 (CGL2) [MIM:269700]. Congenital generalized lipodystrophy is an autosomal recessive disorder characterized by a near absence of adipose tissue, extreme insulin resistance, hypertriglyceridemia, hepatic steatosis and early onset of diabetes. Defects in BSCL2 are the cause of spastic paraplegia type 17 (SPG17) [MIM:270685]; also known as Silver spastic paraplegia syndrome. Spastic paraplegia is a neurodegenerative disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs. SPG17 is characterized by prominent amyotrophy of the hand muscles, the presence of mild to severe pyramidal tract signs, and spastic paraplegia. SPG17 is a motor neuron disease overlapping with distal spinal muscular atrophy type 5. Defects in BSCL2 are a cause of distal hereditary motor neuropathy type 5 (HMN5) [MIM:600794]; also known aS distal hereditary motor neuropathy type V (DSMAV). HMN5 is an autosomal dominant disorder characterized by degeneration of motor nerve fibers, predominantly in limb distal regions.
序列相似性	Belongs to the seipin family.
细胞定位	Endoplasmic reticulum membrane.

图片

Western blot - Anti-BSCL2/Seipin antibody (ab106793)

All lanes : Anti-BSCL2/Seipin antibody (ab106793) at 1 µg/ml

Lane 1 : Human brain tissue lysate - total protein (**ab29466**)

Lane 2 : Brain (Mouse) Tissue Lysate

Lane 3 : Brain (Rat) Tissue Lysate

Lane 4 : Testis (Mouse) Tissue Lysate

Lane 5 : Testis (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

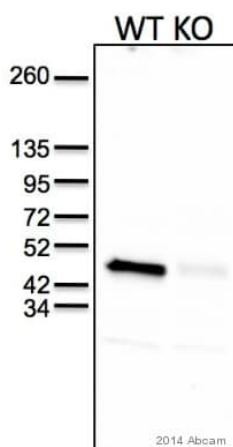Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 44 kDa

Observed band size: 46 kDa

Additional bands at: 100 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

BSCL2/Seipin contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.

Western blot - Anti-BSCL2/Seipin antibody
(ab106793)

All lanes : Anti-BSCL2/Seipin antibody (ab106793) at 1/1000
dilution

Lane 1 : Wild type mouse white adipose tissue lysate (whole)
Lane 2 : Knockout mouse white adipose tissue lysate (whole)

Lysates/proteins at 50 μg per lane.

Secondary
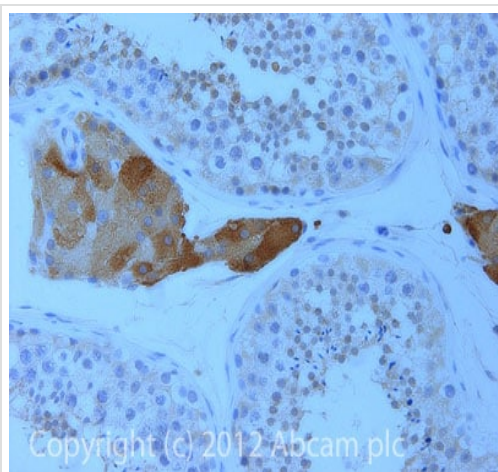**All lanes :** HRP-conjugated goat anti-rabbit IgG polyclonal

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 44 kDa
Observed band size: 48 kDa

Exposure time: 5 seconds

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-BSCL2/Seipin antibody
(ab106793)

IHC image of BSCL2/Seipin staining in human normal testis
formalin fixed paraffin embedded tissue section, performed on a
Leica BondTM system using the standard protocol F. The section
was pre-treated using heat mediated antigen retrieval with EDTA
(pH9, epitope retrieval solution 2) for 20 mins. The section was then
incubated with ab106793, 5μg/ml, for 15 mins at room temperature
and detected using an HRP conjugated compact polymer system.
DAB was used as the chromogen. The section was then
counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated)
customers should optimize variable parameters such as antigen
retrieval conditions, primary antibody concentration and antibody
incubation times.

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