abcam

Product datasheet

Anti-Noggin antibody ab76116

1 图像

概述

产品名称	Anti-Noggin抗体
描述	**兔多克隆抗体**to Noggin
经测试应用	**适用于:** WB, Flow Cyt **不适用于:** ICC,IHC-P or IP
种属反应性	**与反应:** Human **不与反应:** Mouse, Rat
免疫原	Synthetic peptide within Human Noggin aa 50-150. The exact sequence is proprietary.
阳性对照	购买**相配的**WB**阳性**对照 **Recombinant human Noggin protein** › Recombinant protein.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab76116** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

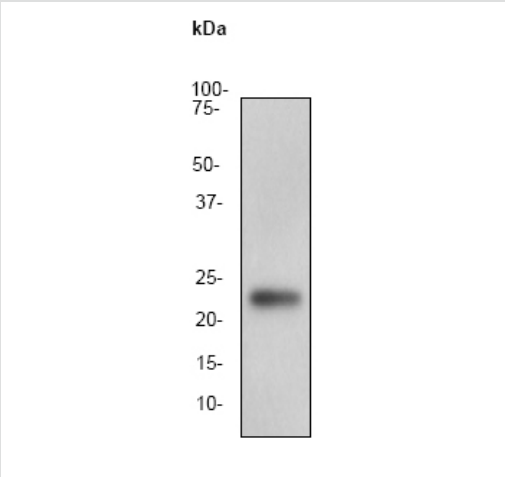
应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 23 kDa (predicted molecular weight: 26 kDa).
Flow Cyt		1/10. ab171870-Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

应用说明	Is unsuitable for ICC,IHC-P or IP.

靶标

功能	Essential for cartilage morphogenesis and joint formation. Inhibitor of bone morphogenetic proteins (BMP) signaling which is required for growth and patterning of the neural tube and somite.
疾病相关	Defects in NOG are a cause of symphalangism proximal syndrome (SYM1) [MIM:185800]. SYM1 is characterized by the hereditary absence of the proximal interphalangeal (PIP) joints (Cushing symphalangism). Severity of PIP joint involvement diminishes towards the radial side. Distal interphalangeal joints are less frequently involved and metacarpophalangeal joints are rarely affected whereas carpal bone malformation and fusion are common. In the lower extremities, tarsal bone coalition is common. Conducive hearing loss is seen and is due to fusion of the stapes to the petrous part of the temporal bone. Defects in NOG are the cause of multiple synostoses syndrome type 1 (SYNS1) [MIM:186500]; also known as synostoses, multiple, with brachydactyly/symphalangism-brachydactyly syndrome. SYNS1 is characterized by tubular-shaped (hemicylindrical) nose with lack of alar flare, otosclerotic deafness, and multiple progressive joint fusions commencing in the hand. The joint fusions are progressive, commencing in the fifth proximal interphalangeal joint in early childhood (or at birth in some individuals) and progressing in an ulnar-to-radial and proximal-to-distal direction. With increasing age, ankylosis of other joints, including the cervical vertebrae, hips, and humeroradial joints, develop. Defects in NOG are the cause of tarsal-carpal coalition syndrome (TCC) [MIM:186570]. TCC is an autosomal dominant disorder characterized by fusion of the carpals, tarsals and phalanges, short first metacarpals causing brachydactyly, and humeroradial fusion. TCC is allelic to SYM1, and different mutations in NOG can result in either TCC or SYM1 in different families. Defects in NOG are a cause of stapes ankylosis with broad thumb and toes (SABTS) [MIM:184460]; also known as Teunissen-Cremers syndrome. SABTS is a congenital autosomal dominant disorder that includes hyperopia, a hemicylindrical nose, broad thumbs, great toes, and other minor skeletal anomalies but lacked carpal and tarsal fusion and symphalangism. Defects in NOG are the cause of brachydactyly type B2 (BDB2) [MIM:611377]. BDB2 is a subtype of brachydactyly characterized by hypoplasia/aplasia of distal phalanges in combination with distal symphalangism, fusion of carpal/tarsal bones, and partial cutaneous syndactyly.
序列相似性	Belongs to the noggin family.
细胞定位	Secreted.

图片



Western blot - Noggin antibody (ab76116)

Anti-Noggin antibody (ab76116) at 1/500 dilution + 0.5ng of recombinant protein

Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size : 26 kDa
Observed band size : 23 kDa

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