abcam

Product datasheet

Anti-FGF 23 antibody ab123502

1 Abreviews   2 图像

概述

产品名称	Anti-FGF 23抗体
描述	山羊多克隆抗体to FGF 23
宿主	Goat
经测试应用	**适用于:** WB
种属反应性	**与反应:** Mouse
	预测可用于: Rat ⚠
免疫原	Synthetic peptide with sequence C-ENGYDVYLSQKHH, corresponding to internal sequence amino acids 121-133 of Mouse FGF 23 (NP_073148.1) 🖼 **Run BLAST with** 🖼 **Run BLAST with**
阳性对照	Mouse Brain and testes lysate
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆

同种型	IgG

应用

The Abpromise guarantee　　　Abpromise™承诺保证使用ab123502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		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 27, 38 kDa (predicted molecular weight: 28 kDa). A 1 hour primary incubation is recommended for this product. When using mouse brain lysate:

靶标

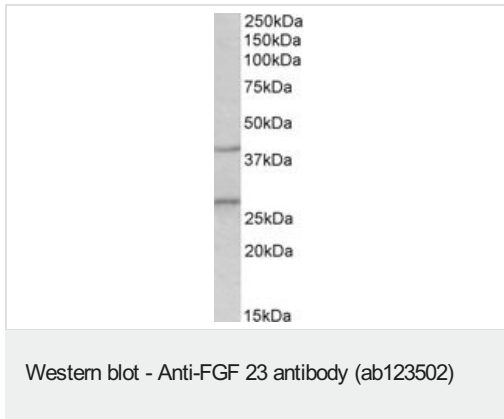|	
功能	Regulator of phosphate homeostasis. Inhibits renal tubular phosphate transport by reducing SLC34A1 levels. Upregulates EGR1 expression in the presence of KL (By similarity). Acts directly on the parathyroid to decrease PTH secretion (By similarity). Regulator of vitamin-D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization.
组织特异性	Expressed in osteogenic cells particularly during phases of active bone remodeling. In adult trabecular bone, expressed in osteocytes and flattened bone-lining cells (inactive osteoblasts).
疾病相关	Defects in FGF23 are the cause of autosomal dominant hypophosphataemic rickets (ADHR) [MIM:193100]. ADHR is characterized by low serum phosphorus concentrations, rickets, osteomalacia, leg deformities, short stature, bone pain and dental abscesses. Defects in FGF23 are a cause of hyperphosphatemic familial tumoral calcinosis (HFTC) [MIM:211900]. HFTC is a severe autosomal recessive metabolic disorder that manifests with hyperphosphatemia and massive calcium deposits in the skin and subcutaneous tissues.
序列相似性	Belongs to the heparin-binding growth factors family.
翻译后修饰	Following secretion this protein is inactivated by cleavage into a N-terminal fragment and a C-terminal fragment. The processing is effected by proprotein convertases. O-glycosylated by GALT3. Glycosylation is necessary for secretion; it blocks processing by proprotein convertases when the O-glycan is alpha 2,6-sialylated. Competition between proprotein convertase cleavage and block of cleavage by O-glycosylation determines the level of secreted active FGF23.
细胞定位	Secreted. Secretion is dependent on O-glycosylation.

图片
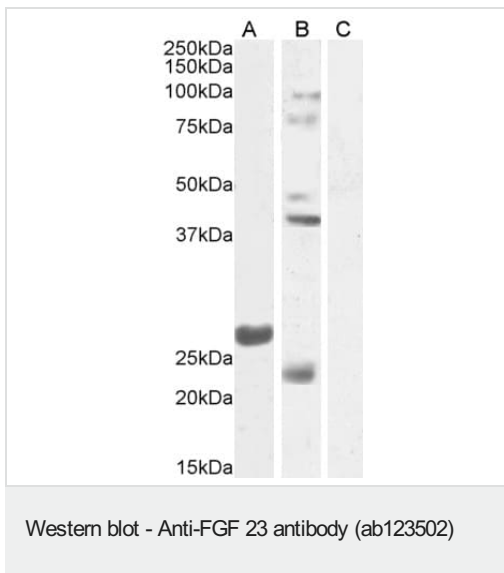
Western blot - Anti-FGF 23 antibody (ab123502)

Anti-FGF 23 antibody (ab123502) at 0.5 µg/ml + Mouse brain lysate in RIPA buffer at 35 µg

Predicted band size: 28 kDa
Observed band size: 27 kDa
Additional bands at: 38 kDa. We are unsure as to the identity of these extra bands.

Primary incubation was 1 hour. Detected by chemiluminescence.

Western blot - Anti-FGF 23 antibody (ab123502)

All lanes :

Lane 1 : Mouse Testes Lysate 1 in RIPA buffer
Lane 2 : Mouse Testes Lysate 2 in RIPA buffer
Lane 3 : Mouse Testes Lysate in RIPA buffer with blocking peptide

Lysates/proteins at 35 µg per lane.

Developed using the ECL technique.

Predicted band size: 28 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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