abcam

Product datasheet

Anti-FOXL2 antibody ab5096

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概述

产品名称	Anti-FOXL2抗体
描述	**山羊多克隆抗体**to FOXL2
宿主	Goat
经测试应用	**适用于:** WB
种属反应性	**与反应:** Mouse, Human **预测可用于:** Rat, Cow
免疫原	Synthetic peptide corresponding to FOXL2 aa 364-376 (C terminal). Sequence: DSKTGALHSRLDL Run BLAST with Run BLAST with
阳性对照	WB: Mouse Ovary 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 or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 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ab5096于以下的经测试应用**

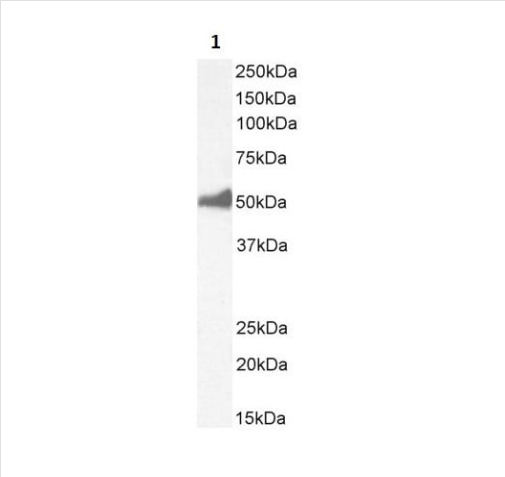
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (2)	Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 45-50 kDa (predicted molecular weight: 43 kDa). **Primary incubation 1 hour at room temperature.**

靶标

功能	Transcriptional regulator. Critical factor essential for ovary differentiation and maintenance, and repression of the genetic program for somatic testis determination. Prevents trans-differentiation of ovary to testis throught transcriptional repression of the Sertoli cell-promoting gene SOX9 (By similarity). Has apoptotic activity in ovarian cells. Suppresses ESR1-mediated transcription of PTGS2/COX2 stimulated by tamoxifen (By similarity). Is a regulator of CYP19 expression (By similarity). Participates in SMAD3-dependent transcription of FST via the intronic SMAD-binding element (By similarity). Is a transcriptional repressor of STAR. Activates SIRT1 transcription under cellular stress conditions. Activates transcription of OSR2.
组织特异性	In addition to its expression in the developing eyelid, it is transcribed very early in somatic cells of the developing gonad (before sex determination) and its expression persists in the follicular cells of the adult ovary.
疾病相关	Defects in FOXL2 are a cause of blepharophimosis, ptosis, and epicanthus inversus syndrome (BPES) [MIM:110100]; also known as blepharophimosis syndrome. It is an autosomal dominant disorder characterized by eyelid dysplasia, small palpebral fissures, drooping eyelids and a skin fold running inward and upward from the lower lid. In type I BPSE (BPES1) eyelid abnormalities are associated with female infertility. Affected females show an ovarian deficit due to primary amenorrhea or to premature ovarian failure (POF). In type II BPSE (BPES2) affected individuals show only the eyelid defects. There is a mutational hotspot in the region coding for the poly-Ala domain, since 30% of all mutations in the ORF lead to poly-Ala expansions, resulting mainly in BPES type II. Defects in FOXL2 are a cause of premature ovarian failure type 3 (POF3) [MIM:608996]. An ovarian disorder defined as the cessation of ovarian function under the age of 40 years. It is characterized by oligomenorrhea or amenorrhea, in the presence of elevated levels of serum gonadotropins and low estradiol.
序列相似性	Contains 1 fork-head DNA-binding domain.
翻译后修饰	Sumoylated by SUMO1; sumoylation is required for transcriptional repression activity.
细胞定位	Nucleus.

图片



Western blot - Anti-FOXL2 antibody (ab5096)

Anti-FOXL2 antibody (ab5096) at 1 µg/ml + Mouse Ovary lysate in RIPA buffer at 35 µg

Predicted band size: 43 kDa
Observed band size: 50 kDa

Detected by chemiluminescence.

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