


### Anti-Notch2 antibody ab8926

★★★★★ [2 Abreviews](#) [63 References](#) [3 图像](#)

#### 概述

|       |  |
|-------|--|
| 产品名称  | Anti-Notch2抗体  |
| 描述    | 兔多克隆抗体to Notch2  |
| 宿主    | Rabbit   |
| 特异性   | The Notch2 protein has many isoforms. The immunogenic sequence for the anti-Notch2 antibody is identical to the same region in full length (260+ kDa) as well as the cleaved forms ~82 kDa each (Notch 2 extracellular truncation & Notch 2 intracellular domain) and the post translationally modified forms thereof. |
| 经测试应用 | 适用于: IHC-P   |
| 种属反应性 | 与反应: Human<br>预测可用于: Mouse, Rat   |
| 免疫原   | Synthetic peptide corresponding to Human Notch2 aa 1700-1800 (N terminal) (Cysteine residue). The epitope is only exposed after gamma secretase cleavage and is not accessible in the uncleaved form.<br>Database link: <a href="#">Q04721</a>   |

 [Run BLAST with](#)

 [Run BLAST with](#)

#### 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 | Preservative: 0.02% Sodium azide<br>Constituents: 0.42% Potassium phosphate, 0.88% Sodium chloride                               |
| 纯度   | Whole antiserum  |

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab8926于以下的经测试应用

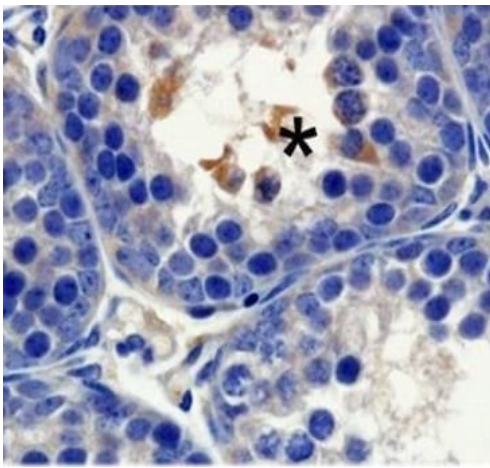
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用    | Ab评论 | 说明     |
|-------|------|--------|
| IHC-P |      | 1/500. |

靶标

|       |   |
|-------|---|
| 功能    | Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs (By similarity). Involved in bone remodeling and homeostasis. In collaboration with RELA/p65 enhances NFATc1 promoter activity and positively regulates RANKL-induced osteoclast differentiation. Positively regulates self-renewal of liver cancer cells (PubMed:25985737).  |
| 组织特异性 | Expressed in the brain, heart, kidney, lung, skeletal muscle and liver. Ubiquitously expressed in the embryo.   |
| 疾病相关  | Alagille syndrome 2<br>Hajdu-Cheney syndrome  |
| 序列相似性 | Belongs to the NOTCH family.<br>Contains 6 ANK repeats.<br>Contains 35 EGF-like domains.<br>Contains 3 LNR (Lin/Notch) repeats.   |
| 翻译后修饰 | Synthesized in the endoplasmic reticulum as an inactive form which is proteolytically cleaved by a furin-like convertase in the trans-Golgi network before it reaches the plasma membrane to yield an active, ligand-accessible form. Cleavage results in a C-terminal fragment N(TM) and a N-terminal fragment N(EC). Following ligand binding, it is cleaved by TNF-alpha converting enzyme (TACE) to yield a membrane-associated intermediate fragment called notch extracellular truncation (NEXT). This fragment is then cleaved by presenilin dependent gamma-secretase to release a notch-derived peptide containing the intracellular domain (NICD) from the membrane.<br>Hydroxylated by HIF1AN.<br>Can be either O-glucosylated or O-xylosylated at Ser-613 by POGLUT1. |
| 细胞定位  | Cell membrane and Nucleus. Cytoplasm. Following proteolytical processing NICD is translocated to the nucleus. Retained at the cytoplasm by C8orf4 (PubMed:25985737).  |

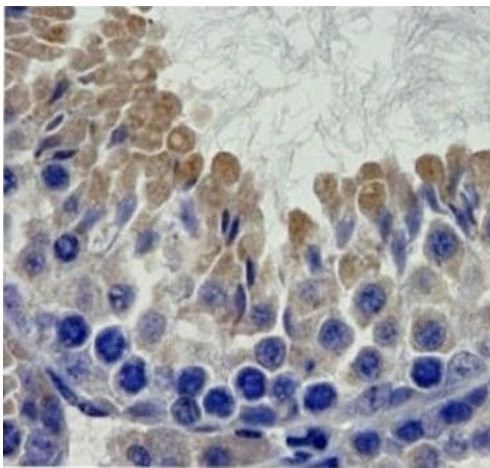
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Notch2 antibody (ab8926)

Image from Murta, Daniel et al., PLoS ONE 8.8 (2013): e72767. Fig 2J. doi: 10.1371/journal.pone.0072767 P. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

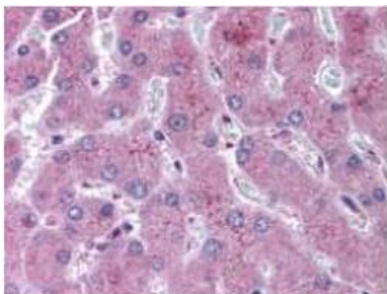
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of CD-1 mice testes tissue sections labeling Notch2 with ab8926 at 1/100 dilution. CD-1 mice testes were fixed in 4% neutral phosphate buffered formalin at room temperature for 24 h and, after subsequent dehydration in ethanol, were embedded in paraffin. Tissue sections were stained by haematoxylin and identification of cell types was done through histology; The antigen retrieval step was performed in citrate buffer (10 mM, pH 6.0), Blocking was performed in PBS with 2% w/v bovine serum albumin for one hour at room temperature. Tissue sections were incubated overnight at 4°C with anti-Notch2 (ab8926). Positive immunostaining in brown color. Notch2 is expressed in germ cells entering meiosis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Notch2 antibody (ab8926)

Image from Murta, Daniel et al., PLoS ONE 8.8 (2013): e72767. Fig 2J. doi: 10.1371/journal.pone.0072767 P.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of CD-1 mice testes tissue sections labeling Notch2 with ab8926 at 1/100 dilution. CD-1 mice testes were fixed in 4% neutral phosphate buffered formalin at room temperature for 24 h and, after subsequent dehydration in ethanol, were embedded in paraffin. Tissue sections were stained by haematoxylin and identification of cell types was done through histology; The antigen retrieval step was performed in citrate buffer (10 mM, pH 6.0), Blocking was performed in PBS with 2% w/v bovine serum albumin for one hour at room temperature. Tissue sections were incubated overnight at 4°C with anti-Notch2 (ab8926). Positive immunostaining in brown color. Notch2 is ubiquitously expressed in germ cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Notch2 antibody (ab8926)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue sections labeling Notch2 with ab8926 at 1/500 dilution. No pre-treatment of sample was required. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors