



### Anti-Sall4 antibody [6E3] ab57577

★★★★★ [4 Abreviews](#) [33 References](#) [6 图像](#)

#### 概述

产品名称	Anti-Sall4抗体[6E3]
描述	小鼠单克隆抗体[6E3] to Sall4
宿主	Mouse
经测试应用	适用于: WB, IHC-P, Flow Cyt
种属反应性	与反应: Human
免疫原	<p>Recombinant fragment corresponding to Human Sall4 aa 954-1054. Sequence:</p> <p>PKEILAPSVNVDPVVWNQYTSMLNGGLAVKTNESVSIQSGGV PTLPVSLG ATSVVNNATVSKMDGSQSGISADVEKPSATDGVPHQFPHFL EENKIAVS</p> <p>Database link: <a href="#">Q9UJQ4</a></p> <p> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
阳性对照	WB: HeLa cell lysate, IHC-P: human testis. Flow Cyt: HeLa cells.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 12<sup>th</sup> Feb 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>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.</p> <p>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&amp;As</p>

#### 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: 7.40 Constituent: 100% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	6E3
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab57577于以下的经测试应用

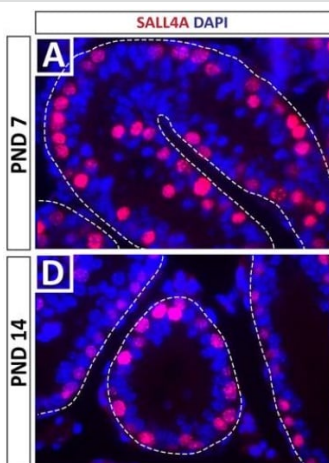
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 112 kDa.
IHC-P	★★★★★ (4)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	Probable transcription factor.
组织特异性	Expressed in testis.
疾病相关	Defects in SALL4 are the cause of Duane-radial ray syndrome (DRRS) [MIM:607323]; also known as Okihiro syndrome. DRRS is a disorder characterized by the association of forearm malformations with Duane retraction syndrome. Defects in SALL4 are the cause of oculotoradial syndrome (OORS) [MIM:147750]. Oculotoradial syndrome is an autosomal dominant condition characterized by upper limbs anomalies (radial ray defects, carpal bones fusion), extraocular motor disturbances, congenital bilateral non-progressive mixed hearing loss. Other less consistent malformations include heart involvement, mild thrombocytopenia and leukocytosis (before age 50), shoulder girdle hypoplasia, imperforate anus, kidney malrotation or rectovaginal fistula. The VIC syndrome is an allelic disorder of Duane-radial ray syndrome (DRRS) with a similar phenotype.
序列相似性	Belongs to the sal C2H2-type zinc-finger protein family. Contains 7 C2H2-type zinc fingers.
细胞定位	Nucleus.

图片

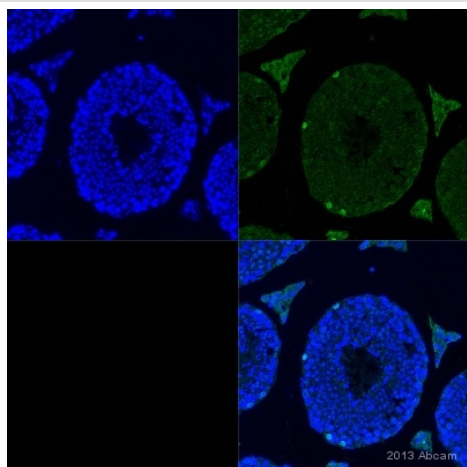


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sall4 antibody [6E3] (ab57577)

Image from Gassei, Kathrin, et. al. PLoS ONE 8.1 (2013): e53976. doi: 10.1371/journal.pone.0053976. Fig 2A,D. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of testes from juvenile (PND 7 and PND 14) mice labeling Sall4 with ab57577. Testes were dissected and fixed in 4% PFA overnight at 4°C. Fixed tissues were processed for paraffin embedding and 5 µm serial sections were collected. Sections were deparaffinized in xylene (2×15 min), rehydrated in a graded ethanol series (2×100% for 10 min, 1×95% for 5 min, 1×80% for 5 min, 1×70% for 5 min, 1×50% for 5 min, 1×25% for 5 min) and rinsed in 1× DPBS. Slides were then incubated in sodium citrate antigen retrieval buffer (10 mM Sodium Citrate, 0.05% Tween-20, pH 6) for 30 min at 97.5°C and allowed to cool to room temperature. After rinsing twice in 1× DPBS containing 0.1% Tween-20 (DBPS-T), unspecific binding sites in tissue sections were saturated by incubation with blocking buffer (1× DPBS containing 3% bovine serum albumin, 0.1% Triton X-100 and 5% normal serum from the host species of the secondary antibody) for 30 min at room temperature. Primary antibodies were diluted in blocking buffer and added to tissue sections for 90 min at room temperature.

This image was generated using the ascites version of the product.

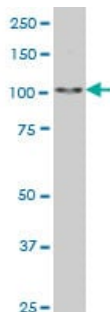


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sall4 antibody [6E3] (ab57577)

This image is courtesy of an Abreview from Zachary Yu-Ching Lin.

IHC-P image of Sall4 staining with ab57577 on tissue sections from adult mouse testis. The sections were subjected to heat-mediated antigen retrieval using Dako antigen retrieval solution. The sections were then blocked with 5% milk for 30 minutes at 25°C, before incubation with ab57577 (1/100 dilution) for 18 hours at 4°C. The secondary was an Alexa-Fluor 488 conjugated goat anti-mouse polyclonal, used at a 1/500 dilution.

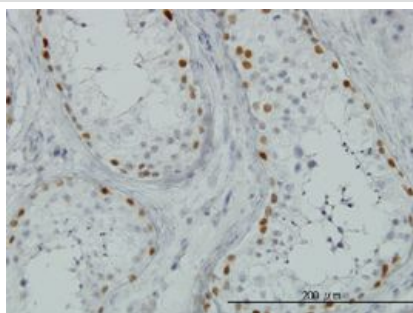
This image was generated using the ascites version of the product.



Western blot - Anti-Sall4 antibody [6E3] (ab57577)

Sall4 antibody (ab57577) at 1ug/lane + HeLa cell lysate at 25ug/lane.

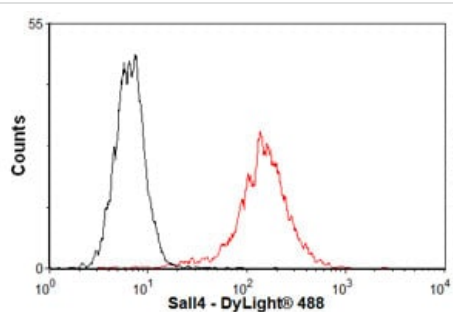
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sall4 antibody [6E3] (ab57577)

Sall4 antibody (ab57577) used in immunohistochemistry at 5ug/ml on formalin fixed and paraffin embedded human testis.

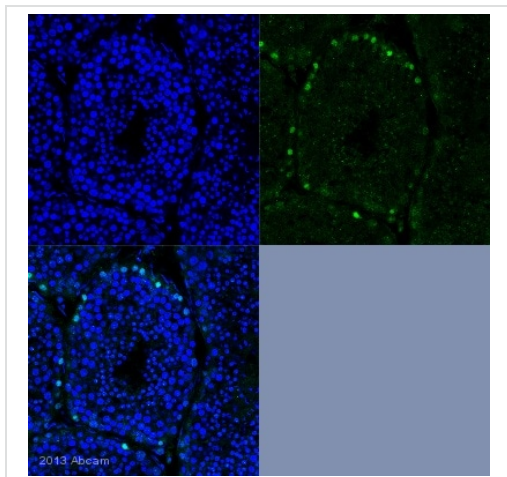
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Flow Cytometry - Anti-Sall4 antibody [6E3] (ab57577)

Overlay histogram showing HeLa cells stained with ab57577 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab57577, 1μg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2μg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde/permeabilized in 0.1% PBS-Tween used under the same conditions.

This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sall4 antibody [6E3] (ab57577)

This image is courtesy of an Abreview from Zachary Yu-Ching Lin.

IHC-P image of Sall4 staining with ab57577 on tissue sections from adult marmoset testis. The sections were subjected to heat-mediated antigen retrieval using Dako antigen retrieval solution. The sections were then blocked with 5% milk for 30 minutes at 25°C, before incubation with ab57577 (1/100 dilution) for 18 hours at 4°C. The secondary was an Alexa-Fluor 488 conjugated goat anti-mouse polyclonal, used at a 1/500 dilution.

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