

Anti-GDF 9 antibody ab93892

★★★★★ [7 Abreviews](#) [19 References](#) [5 图像](#)

概述

产品名称	Anti-GDF 9抗体
描述	兔多克隆抗体to GDF 9
宿主	Rabbit
特异性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Sheep, Rabbit, Goat, Chicken, Cat, Dog, Pig, Baboon, Common marmoset 
免疫原	Synthetic peptide corresponding to Human GDF 9 aa 400 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as ab106422)
阳性对照	WB: Human Ovary Tissue Lysate. ICC/IF: Jurkat cells. IHC-P: Rat Ovary, Sheep Ovary and Human Testis tissue sections.
常规说明	<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&As</p>

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	pH: 7.40 Preservative: 0.02% Sodium azide

Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度 Immunogen affinity purified
克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab93892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。

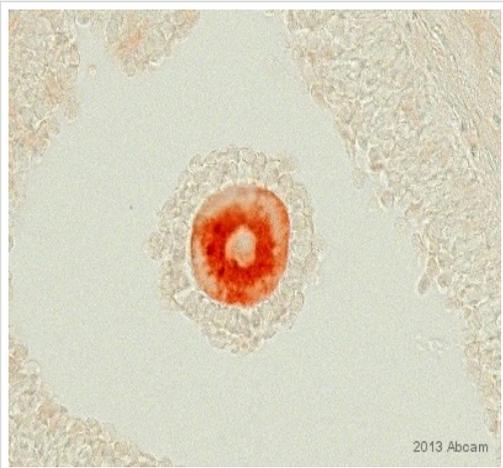
应用	Ab评论	说明
IHC-P	★★★★☆ (6)	Use a concentration of 1 µg/ml.
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 51 kDa (predicted molecular weight: 51 kDa).

靶标

相关性 GDF 9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF 9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis.

细胞定位 Secreted

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF 9 antibody (ab93892)

This image is courtesy of an anonymous Abreview

ab93892 staining GDF 9 in Rat ovary tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 1.5% serum for 1 hour at 24°C; antigen retrieval was enzymatic. Samples were incubated with primary antibody (1µg/ml) for 12 hours at 4°C. A Biotin-conjugated Goat anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody.



Western blot - Anti-GDF 9 antibody (ab93892)

Anti-GDF 9 antibody (ab93892) at 1 µg/ml + Human ovary tissue lysate - total protein ([ab30222](#)) at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

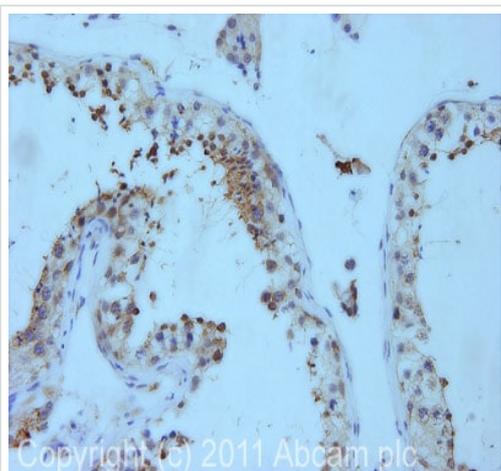
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 51 kDa

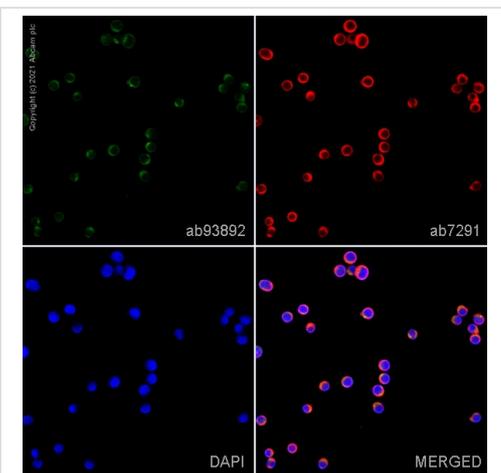
Observed band size: 51 kDa

Exposure time: 2 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF 9 antibody (ab93892)

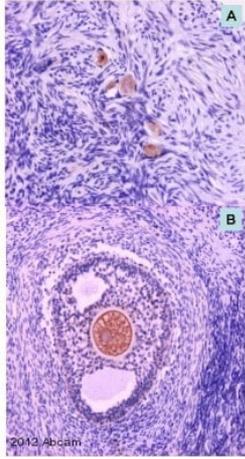
IHC image of GDF 9 staining in human normal testis FFPE section, performed on a Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab93892, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX



Immunocytochemistry/ Immunofluorescence - Anti-GDF 9 antibody (ab93892)

ab93892 staining GDF 9 in Jurkat cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab93892 at 1 µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Immunohistochemical analysis of oocytes of primordial (A), and early antral follicles (B) of sheep ovary tissue, staining GDF 9 with ab93892.

Tissue was fixed with paraformaldehyde and blocked with 0.4% blocking agent for 5 minutes at 20°C; antigen retrieval was by heat mediation in citrate buffer (pH 6). Samples were incubated with primary antibody (1/1500 in diluent) for 24 hours at 4°C. An undiluted HRP-conjugated goat anti-rabbit polyclonal IgG was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF 9 antibody (ab93892)

This image is courtesy of an Abreview submitted by Dr Rosa Ana Picazo

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