

Product datasheet

Anti-FOXC1 antibody - ChIP Grade ab5079

★★★★☆ 3 Abreviews 19 References 4 图像

概述

产品名称	Anti-FOXC1抗体- ChIP Grade
描述	山羊多克隆抗体to FOXC1 - ChIP Grade
宿主	Goat
经测试应用	适用于: ChIP, WB, IHC-P
种属反应性	与反应: Mouse, Human, Zebrafish 预测可用于: Xenopus laevis, Catfish
免疫原	Synthetic peptide: RTSGAFVYDCSKF , corresponding to amino acids 541-553 of Human FOXC 1. Run BLAST with Run BLAST with

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 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

Our [Abpromise guarantee](#) covers the use of **ab5079** in the following tested applications.

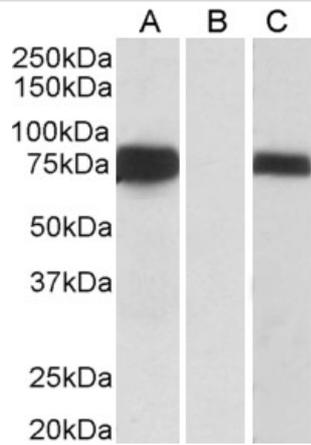
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ChIP		Use at an assay dependent dilution. PubMed: 17000708
WB	★★★★☆	Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 57 kDa. Can be blocked with Human FOXC1 peptide (ab23069) .
IHC-P	★★★★☆	Use a concentration of 4 - 6 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	Binding of FREAC-3 and FREAC-4 to their cognate sites results in bending of the DNA at an angle of 80-90 degrees.
组织特异性	Expressed in all tissues and cell lines examined.
疾病相关	<p>Defects in FOXC1 are the cause of Axenfeld-Rieger syndrome type 3 (RIEG3) [MIM:602482]; also known as Axenfeld-Rieger syndrome (ARS) or Axenfeld syndrome or Axenfeld anomaly. It is characterized by posterior corneal embryotoxon, prominent Schwalbe line and iris adhesion to the Schwalbe line. Other features may be hypertelorism (wide spacing of the eyes), hypoplasia of the malar bones, congenital absence of some teeth and mental retardation. When associated with tooth anomalies, the disorder is known as Rieger syndrome. Glaucoma is a progressive blinding condition that occurs in approximately half of patients with Axenfeld-Rieger malformations.</p> <p>Defects in FOXC1 are the cause of iridogoniodysgenesis anomaly (IGDA) [MIM:601631]. IGDA is an autosomal dominant phenotype characterized by iris hypoplasia, goniodysgenesis, and juvenile glaucoma.</p> <p>Defects in FOXC1 are a cause of Peters anomaly (PAN) [MIM:604229]. Peters anomaly consists of a central corneal leukoma, absence of the posterior corneal stroma and Descemet membrane, and a variable degree of iris and lenticular attachments to the central aspect of the posterior cornea.</p>
序列相似性	Contains 1 fork-head DNA-binding domain.
细胞定位	Nucleus.

图片



Western blot - Anti-FOXC1 antibody - ChIP Grade (ab5079)

Lane 1 : Anti-FOXC1 antibody - ChIP Grade (ab5079) at 0.5 µg/ml

Lane 2 : Anti-FOXC1 antibody - ChIP Grade (ab5079) at 0.5 mg/ml

Lane 3 : anti- DYKDDDDK Tag at 1/3000 dilution

Lanes 1 & 3 : HEK293 lysate (in RIPA buffer)

Lane 2 : Mock-transfected HEK293 lysate (in RIPA buffer)

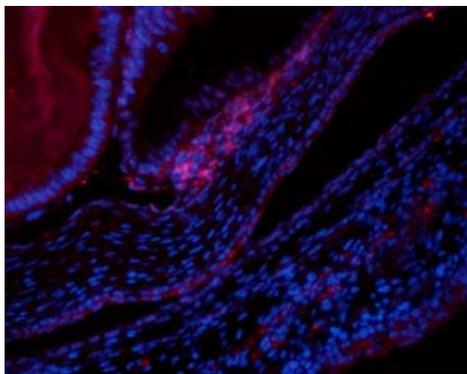
Lysates/proteins at 10 µg per lane.

Predicted band size: 57 kDa

Observed band size: 75 kDa

Primary incubations were for 1 hour.

Detected by chemiluminescence.

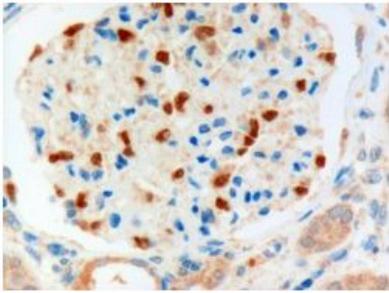


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXC1 antibody - ChIP Grade (ab5079)

This image is courtesy of Amanda Evans.

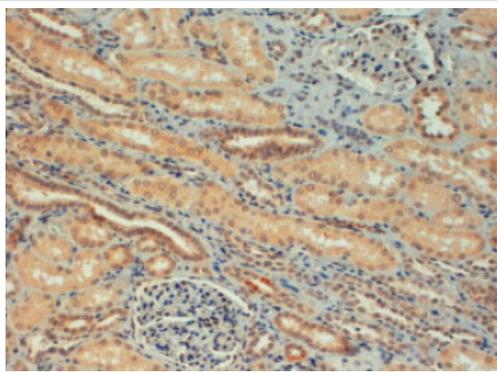
Mouse tissue sections (periocular mesenchyme, cornea) were incubated with ab5079, anti-FOXC1 antibody.

Paraformaldehyde was used for fixation, and a heat mediated antigen retrieval step was used. The antibody was incubated for 8 hours at a dilution of 1/200.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXC1 antibody - ChIP
Grade (ab5079)

ab5079 at 3ug/ml staining FOXC1 in human kidney tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded sections). Tissue underwent antigen retrieval in microwave with Tris/EDTA buffer (pH 9.0). The HRP-staining procedure was used for detection.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXC1 antibody - ChIP
Grade (ab5079)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human kidney tissue, staining FOXC1 with ab5079 at 4 µg/ml. Antigen retrieval was performed by heat mediation in a citrate buffer (pH 6).

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