abcam

Product datasheet

Anti-SNAIL + SLUG antibody ab180714

6 Abreviews 185 References 11 图像

概述

产品名称	Anti-SNAIL + SLUG抗体
描述	兔多克隆抗体to SNAIL + SLUG
宿主	Rabbit
经测试应用	**适用于:** WB, IHC-P
种属反应性	**与反应:** Mouse, Rat, Human, Recombinant fragment
免疫原	Synthetic peptide within Human SNAIL+SLUG aa 236-264. The exact sequence is proprietary. Database link: O95863
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 (stable for up to 12 months). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
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ab180714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)	1/500 - 1/2000. Predicted molecular weight: 29 kDa.
IHC-P	★★★★☆ (1)	1/50 - 1/200.

靶标

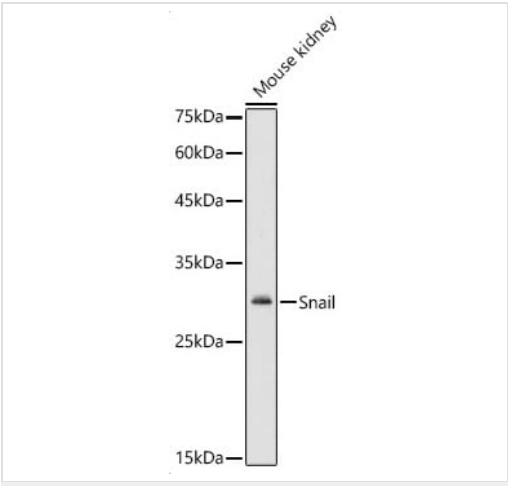
相关性

Function: SNAIL is involved in the epithelial to mesenchymal transition (EMT) and formation and maintenance of embryonic mesoderm (By similarity). Binds to 3 E-boxes of the E-cadherin gene promoter and represses its transcription. SLUG is a transcriptional repressor, involved in the generation and migration of neural crest cells. PTM: SNAIL is phosphorylated by GSK3B. Once phosphorylated, it becomes a target for BTRC ubiquitination. Ubiquitinated on Lys-98, Lys-137 and Lys-146 by FBXL14 and BTRC leading to degradation. BTRC-triggered ubiquitination requires previous GSK3B-mediated SNAI1 phosphorylation. Similarity: Both SNAIL and SLUG belong to the snail C2H2-type zinc-finger protein family. Tissue specificity: SNAIL is expressed in a variety of tissues with the highest expression in kidney. Expressed in mesenchymal and epithelial cell lines. SLUG is expressed in placenta and adult heart, pancreas, liver, kidney and skeletal muscle.

细胞定位

Slug is generally nuclear, while Snail is known to be both cytoplasmic and nuclear. Once phosphorylated (probably on Ser-107, Ser-111, Ser-115 and Ser-119) snail is exported from the nucleus to the cytoplasm where subsequent phosphorylation of the destruction motif and ubiquitination involving BTRC occurs.

图片



Western blot - Anti-SNAIL + SLUG antibody (ab180714)

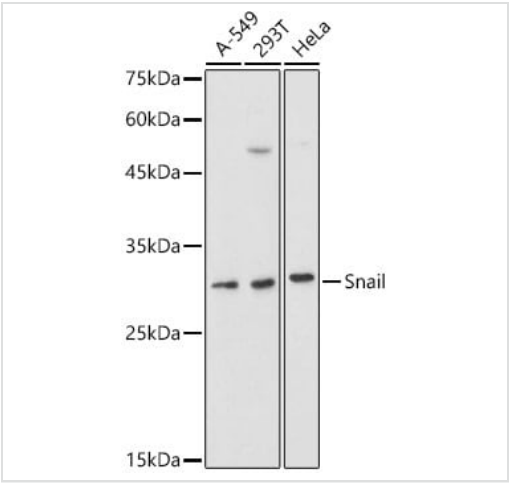
Anti-SNAIL + SLUG antibody (ab180714) at 1/1000 dilution +
Mouse kidney at 25 µg

Secondary
HRP Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 29 kDa

Exposure time: 180 seconds

Blocking buffer: 3% nonfat dry milk in TBST.



Western blot - Anti-SNAIL + SLUG antibody (ab180714)

All lanes : Anti-SNAIL + SLUG antibody (ab180714) at 1/1000 dilution

Lane 1 : A549 (Human lung carcinoma cell line) whole cell lysate
Lane 2 : 293T whole cell lysate
Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

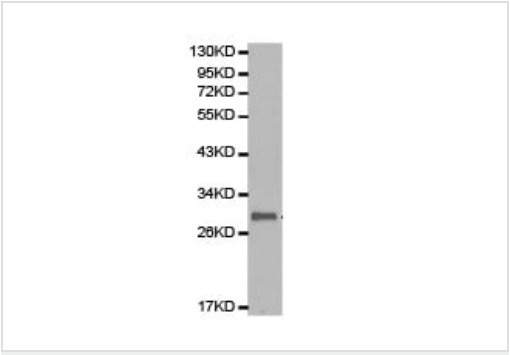
Lysates/proteins at 25 µg per lane.

Secondary
All lanes : HRP Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 29 kDa

Exposure time: 90 seconds

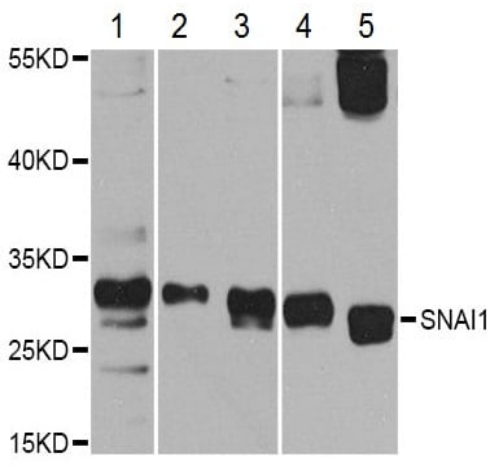
Blocking buffer: 3% nonfat dry milk in TBST.



Western blot - Anti-SNAIL + SLUG antibody (ab180714)

Anti-SNAIL + SLUG antibody (ab180714) at 1/500 dilution + Mouse heart tissue extracts

Predicted band size: 29 kDa

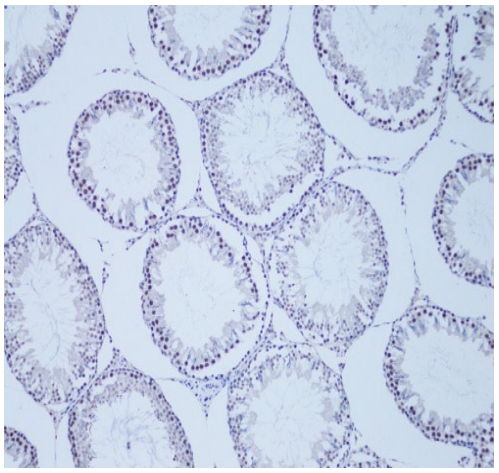


Western blot - Anti-SNAIL + SLUG antibody (ab180714)

All lanes : Anti-SNAIL + SLUG antibody (ab180714)

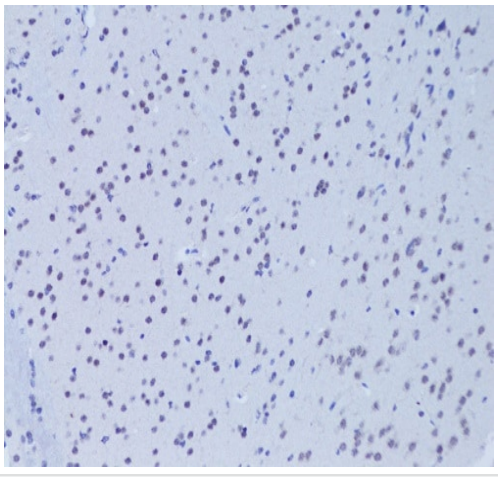
Lane 1 : HeLa cell lysate
Lane 2 : A431 cell lysate
Lane 3 : HepG2 cell lysate
Lane 4 : Mouse lung tissue lysate
Lane 5 : Rat liver tissue lysate

Predicted band size: 29 kDa



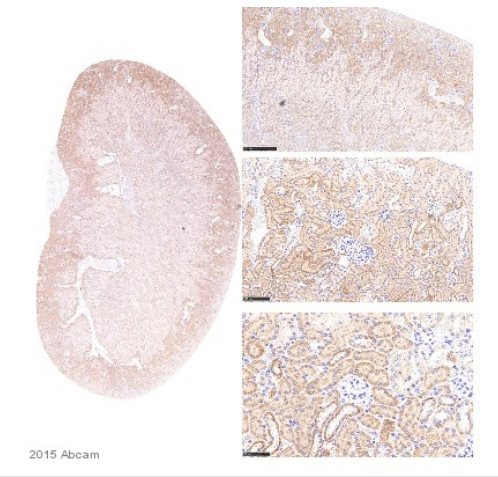
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAIL + SLUG antibody (ab180714)

Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling SNAI1+SLUG with ab180714 at 1/50 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAIL + SLUG antibody (ab180714)

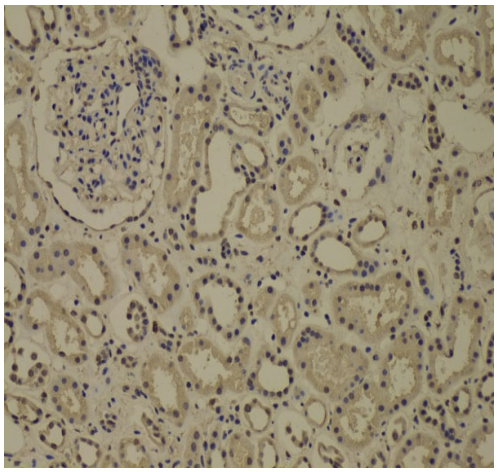
Immunohistochemical analysis of paraffin-embedded rat brain tissue labeling SNAIL + SLUG with ab180714 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAIL + SLUG antibody (ab180714)

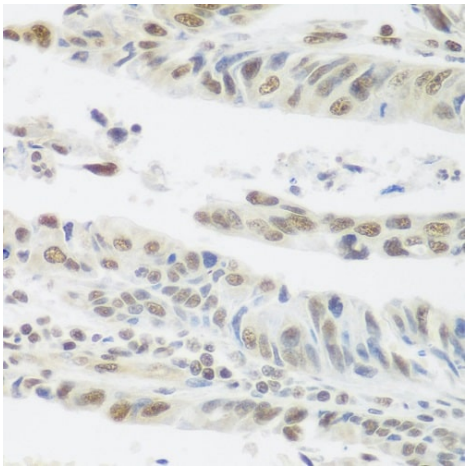
Image is courtesy of an anonymous Abreview

ab180714 staining SNAIL in Mouse kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde; antigen retrieval was by heat mediation in a basic buffer (TRIS+EDTA, pH9). Samples were incubated with primary antibody (1/500 in antibody diluent) for 1 hour. An undiluted HRP-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody.



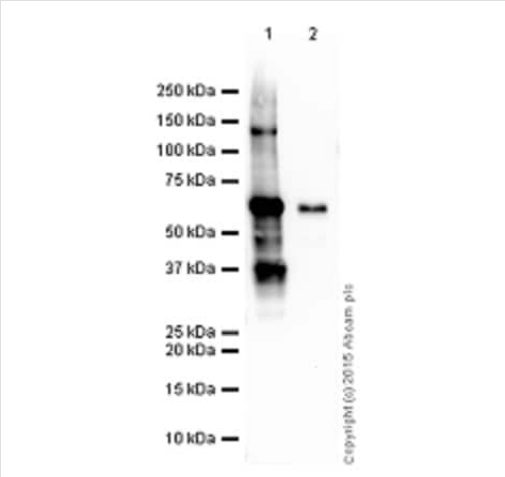
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAIL + SLUG antibody (ab180714)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling SNAIL with ab180714. Tissue was fixed with formaldehyde and blocked with 5% BSA for 20 min at room temperature; antigen retrieval was by heat mediation with EDTA buffer (pH 9.0). Samples were incubated with primary antibody (1/100) for 12 hours at 4°C. A Biotin-conjugated mouse anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. Magnification: 200X.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAIL + SLUG antibody (ab180714)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue labeling SNAIL +SLUG with ab180714 at 1/100 dilution.



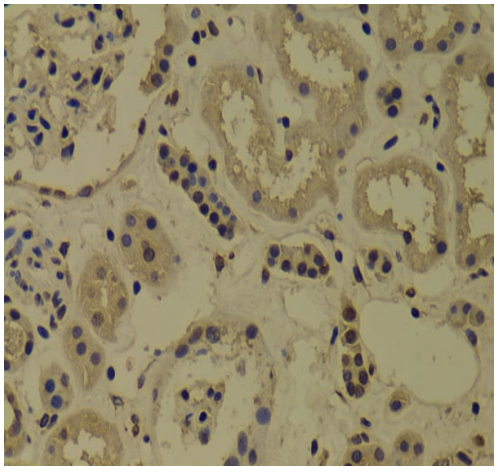
Western blot - Anti-SNAIL + SLUG antibody (ab180714)

All lanes : Anti-SNAIL + SLUG antibody (ab180714)

Lane 1 : Snail recombinant with GST tag (55 kDa)
Lane 2 : Slug recombinant with GST tag (56 kDa)

Lysates/proteins at 0.1 µg per lane.

Predicted band size: 29 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAIL + SLUG antibody (ab180714)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling SNAIL with ab180714. Tissue was fixed with formaldehyde and blocked with 5% BSA for 20 min at room temperature; antigen retrieval was by heat mediation with EDTA buffer (pH 9.0). Samples were incubated with primary antibody (1/100) for 12 hours at 4°C. A Biotin-conjugated mouse anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. Magnification: 400X.

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