

### Anti-PAX8 antibody ab97477

★★★★★ [2 Abreviews](#) [6 References](#) [8 图像](#)

#### 概述

|       |   |
|-------|---|
| 产品名称  | Anti-PAX8抗体   |
| 描述    | 兔多克隆抗体to PAX8   |
| 宿主    | Rabbit  |
| 经测试应用 | 适用于: WB, ICC/IF, ChIP, IHC-P, IP  |
| 种属反应性 | 与反应: Mouse, Rat, Human  |
| 免疫原   | Recombinant protein fragment corresponding to a region within amino acids 1 and 214 of PAX8 (Uniprot: Q06710).  |
| 阳性对照  | ChIP: HEK-293T cells; WB: HEK-293T whole cell lysate; IHC-P: DLD1 xenograft, mouse liver and rat thyroid gland tissue; IF: A549 whole cells. IP: HEK-293T whole cell lysate.  |
| 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&amp;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 | <p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)</p>         |
| 纯度   | Immunogen affinity purified  |
| 克隆   | 多克隆  |
| 同种型  | IgG  |

#### 应用

The Abpromise guarantee

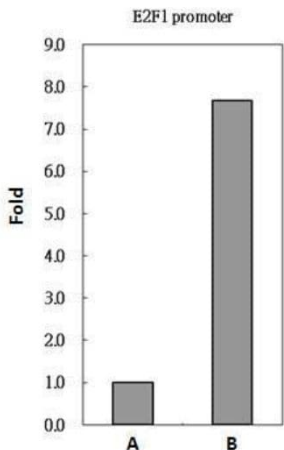
Abpromise™承诺保证使用ab97477于以下的经测试应用

“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     | ★★★★★ (1) | 1/500 - 1/2000. Predicted molecular weight: 48 kDa. |
| ICC/IF | ★★★★★ (1) | 1/100 - 1/1000.                                     |
| ChIP   |           | Use at an assay dependent concentration.            |
| IHC-P  |           | 1/100 - 1/1000.                                     |
| IP     |           | 1/500 - 1/1000.                                     |

|       |   |
|-------|---|
| 靶标    |   |
| 功能    | Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.   |
| 组织特异性 | Expressed in the excretory system, thyroid gland and Wilms tumors.  |
| 疾病相关  | Defects in PAX8 are the cause of congenital hypothyroidism non-goitrous type 2 (CHNG2) [MIM:218700]. CHNG2 is a disease characterized by thyroid dysgenesis, the most frequent cause of congenital hypothyroidism, accounting for 85% of case. The thyroid gland can be completely absent (athyreosis), ectopically located and/or severely hypoplastic. Ectopic thyroid gland is the most frequent malformation, with thyroid tissue being found most often at the base of the tongue. |
| 序列相似性 | Contains 1 paired domain.   |
| 发展阶段  | In developing excretory system, during thyroid differentiation and in adult thyroid.  |
| 细胞定位  | Nucleus.  |

图片



| Condition | Fold |
|-----------|------|
| A         | 1.0  |
| B         | ~7.5 |

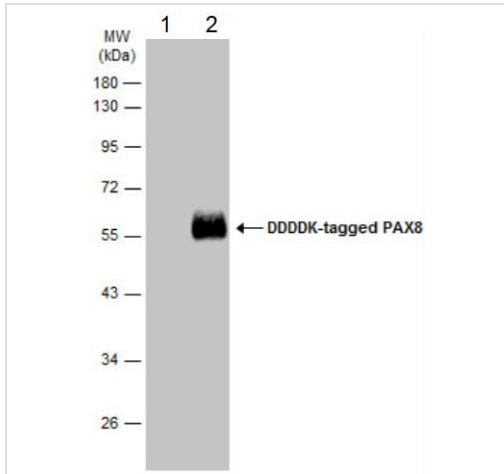
PAX8 antibody immunoprecipitates PAX8 protein-DNA in ChIP experiments.

ChIP Sample: HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate;

A. 5 µg preimmune rabbit IgG;

B. 5 µg of ab97477.

The precipitated DNA was detected by PCR with primer set targeting to E2F1 promoter.



Western blot - Anti-PAX8 antibody (ab97477)

**All lanes :** Anti-PAX8 antibody (ab97477) at 1/10000 dilution

**Lane 1 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

**Lane 2 :** DDDDK-tagged PAX8 transfected HEK-293T whole cell lysate

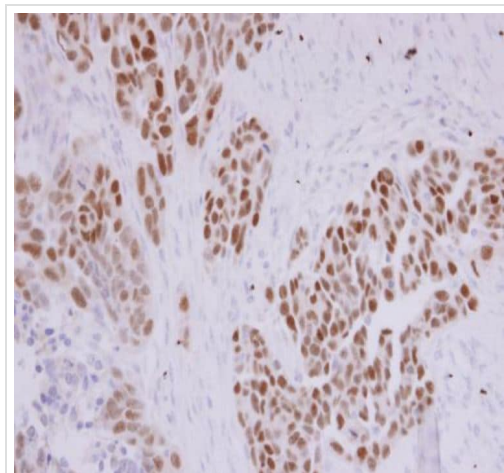
Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes :** HRP-conjugated anti-rabbit IgG antibody

**Predicted band size:** 48 kDa

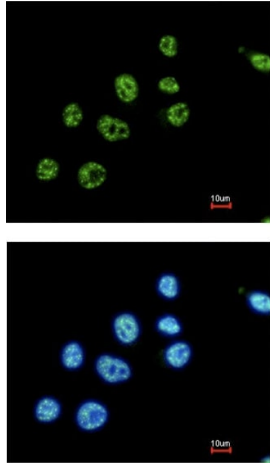
10% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX8 antibody (ab97477)

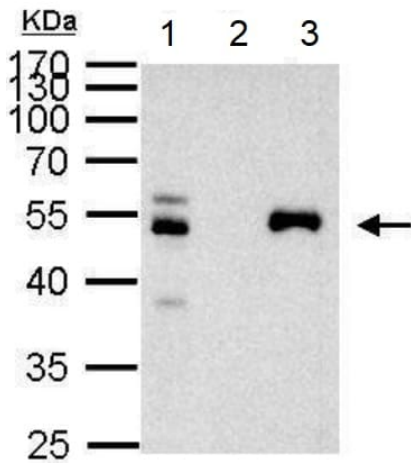
Immunohistochemical analysis of paraffin-embedded DLD1 xenograft tissue staining PAX8 protein at nucleolus with ab97477 at 1/500 dilution.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.



Immunocytochemistry/ Immunofluorescence - Anti-PAX8 antibody (ab97477)

Immunofluorescence analysis of paraformaldehyde-fixed A549 (human lung carcinoma cell line) whole cells labeling PAX8 with ab97477 at 1/200 dilution. Bottom: Costained with DNA probe stain.



Immunoprecipitation - Anti-PAX8 antibody (ab97477)

ab97477 immunoprecipitates PAX8 protein in IP experiments.

IP Sample: 1000 µg HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

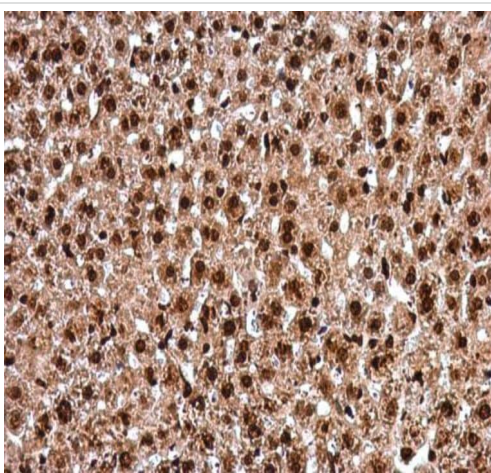
1- 40 µg HEK-293T whole cell lysate;

2- Control with 2 µg of preimmune rabbit IgG;

3- Immunoprecipitation of PAX8 protein by 2 µg of ab97477.

10% SDS-PAGE

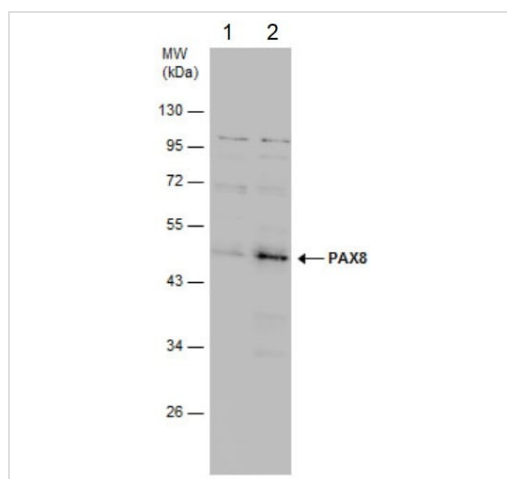
The immunoprecipitated PAX8 protein was detected by ab97477 at 1/1000 dilution, followed by anti-rabbit IgG antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX8 antibody (ab97477)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue staining PAX8 protein at nucleus with ab97477 at 1/500 dilution.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Western blot - Anti-PAX8 antibody (ab97477)

**All lanes :** Anti-PAX8 antibody (ab97477) at 1/1000 dilution

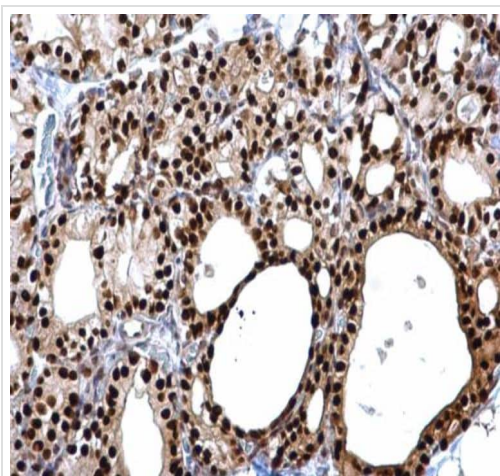
**Lane 1 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

**Lane 2 :** HEK-293T cell nuclear extract

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 48 kDa

10% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX8 antibody (ab97477)

Immunohistochemical analysis of paraffin-embedded rat thyroid gland tissue staining PAX8 protein at cytosol with ab97477 at 1/500 dilution.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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