


Anti-PAX8 antibody ab13611

★★★★★ [2 Abreviews](#) [9 References](#) [4 图像](#)

概述

产品名称	Anti-PAX8抗体
描述	山羊多克隆抗体to PAX8
宿主	Goat
特异性	This antibody is expected to recognise all five human isoforms (as represented by NP_003457; NP_039245; NP_039246; NP_039247; NP_054698). This antibody detects a strong band at approx 40kDa in Human Liver lysates. The identity of this band is unclear given the existence of 5 isoforms of PAX8 between 450 aa and 287 aa (54-34 kD). It has shown to be specific for PAX8 in experiments with nuclear extracts of PC Cl3 thyroid cells cultured for 7 days without stimulation from serum and thyrotropin (starved cells) and then stimulated with thyrotropin (TSH) for 24 h (TSH stimulated cells). A band representing PAX8 is seen in the stimulated cells at 60kD (although other non-specific background bands are also seen). We have no confirmation of which isoform this represents.
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Dog 
免疫原	Synthetic peptide corresponding to Human PAX8 aa 1-100 (N terminal). Database link: Q06710 Run BLAST with Run BLAST with
阳性对照	IHC-P: Human thyroid tissue WB: Human kidney tissue lysate, HeLa cell lysate and Human thyroid cells
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

存储溶液	pH: 7.30 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

The Abpromise guarantee **Abpromise™**承诺保证使用ab13611于以下的经测试应用

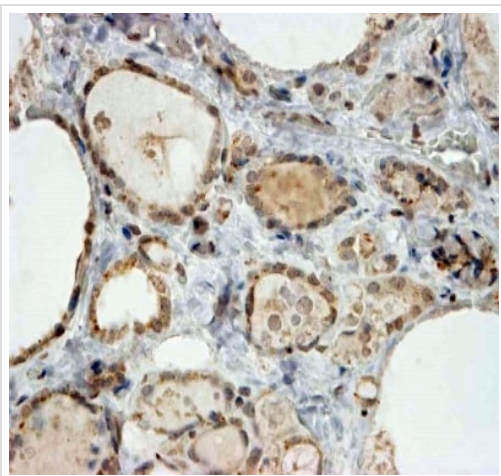
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 2 - 4 µg/ml.
WB	★★★★★ (1)	Use a concentration of 1.5 - 4.5 µg/ml. Detects a band of approximately 40 kDa (predicted molecular weight: 48 kDa). A 1 hour primary incubation is recommended for this product.

靶标

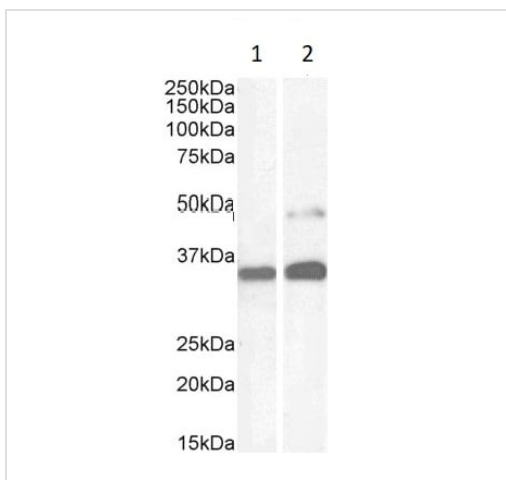
功能	Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.
组织特异性	Expressed in the excretory system, thyroid gland and Wilms tumors.
疾病相关	Defects in PAX8 are the cause of congenital 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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX8 antibody (ab13611)

ab13611 (2 μ g/ml) staining of paraffin embedded Human Human Thyroid Gland following steamed antigen retrieval with citrate buffer pH 6 and HRP-staining shows nuclear stains in the epithelial cells around the follicles.



Western blot - Anti-PAX8 antibody (ab13611)

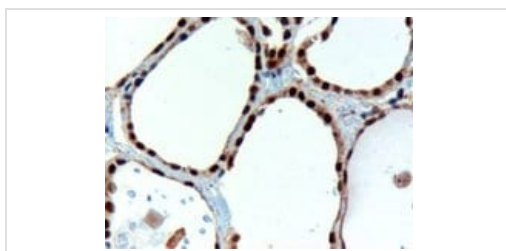
All lanes : Anti-PAX8 antibody (ab13611) at 1 μ g/ml

Lane 1 : Human Kidney tissue lysate (35 μ g protein in RIPA buffer).

Lane 2 : HeLa cell lysate (35 μ g protein in RIPA buffer).

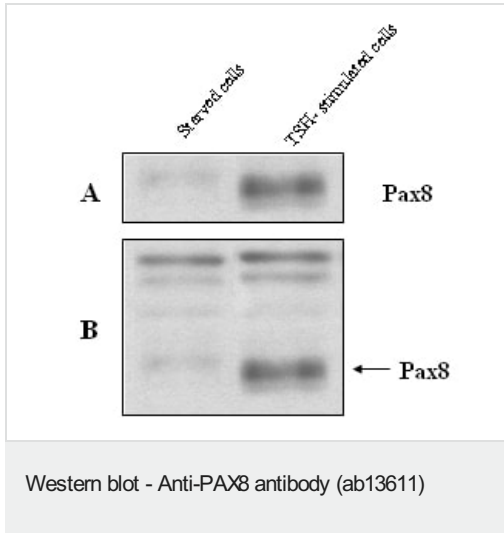
Predicted band size: 48 kDa

Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX8 antibody (ab13611)

ab13611 at 3 μ g/ml staining PAX8 in human thyroid gland sections by Immunohistochemistry (Formalin/ PFA-fixed paraffin-embedded tissue sections). The tissue underwent antigen retrieval by microwave in Tris/EDTA buffer pH 9.0. The HRP-staining procedure was used for detection.



Nuclear extract of PC Cl3 thyroid cells (15 µg) cultured during 7 days without stimulation from serum and thyrotropin (starved cells) and then stimulated with thyrotropin (TSH) 0.5 mU/ml during 24 h (TSH stimulated cells).

PAX8 is seen to be correctly regulated in panel A. Panel B shows an extended view of the same gel with other visible background bands.

The indicated PAX8 band is at 60 kD. (In some gels PAX8 runs at 55-58kD).

This image was kindly supplied as part of the review submitted by Dr Pilar Santisteban.

Nuclear extract of PC Cl3 thyroid cells (15 µg) cultured during 7 days without stimulation from serum and thyrotropin (starved cells) and then stimulated with thyrotropin (TSH) 0.5 mU/ml during 24 h (TSH stimulated cells). PAX8 is seen to be correctly regulated in panel A. Panel B shows an extended view of the same gel with other visible background bands. The indicated PAX8 band is at

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