

Product datasheet

Anti-PAX8 antibody [BC12] ab124445

★★★★★ [1 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-PAX8 antibody [BC12]
Description	Mouse monoclonal [BC12] to PAX8
Host species	Mouse
Specificity	ab124445 does not stain B-cells, and does not recognize epitopes of pancreatic origin and neuroendocrine cells in stomach and colon.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human PAX8.
Epitope	The epitope maps sequence as 258 to 272.
Positive control	IHC-P Human renal tissue and renal carcinoma tissue.
General notes	Make dilutions in Renoir Red diluent.
<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>	

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 97.5% Water, 0.99% BSA, 0.33% Tris HCl, 0.04% Tween, 0.007% Hydrochloric acid</p> <p>Buffer contains protein carrier.</p>

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	BC12
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124445 in the following tested applications.

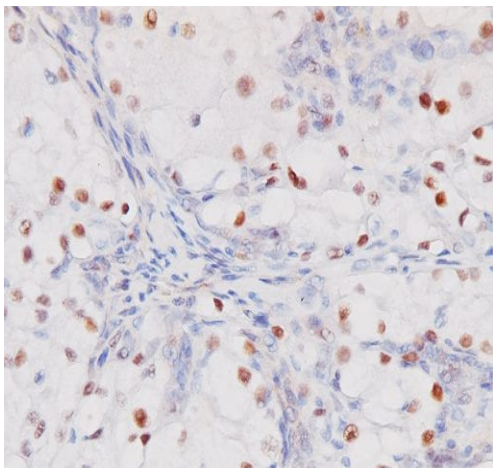
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

Target

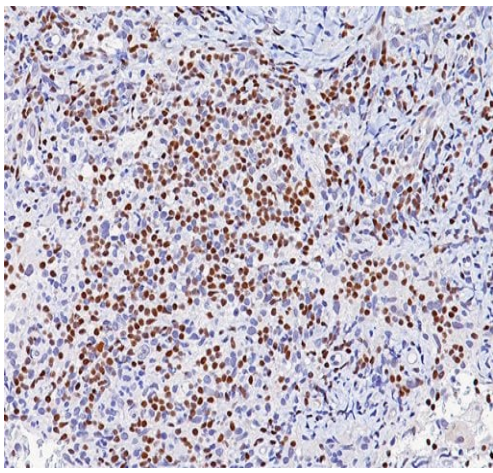
Function	Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.
Tissue specificity	Expressed in the excretory system, thyroid gland and Wilms tumors.
Involvement in disease	Defects 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.
Sequence similarities	Contains 1 paired domain.
Developmental stage	In developing excretory system, during thyroid differentiation and in adult thyroid.
Cellular localization	Nucleus.

Images



ab124445 at 1/100 dilution staining PAX8 in formalin-fixed paraffin-embedded Human Renal cell carcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX8 antibody [BC12] (ab124445)



ab124445 staining PAX8 in formalin-fixed paraffin-embedded Human Renal tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX8 antibody [BC12] (ab124445)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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