Product datasheet

Anti-PAX8 antibody [EPR13511] - C-terminal ab189249

Overview

Product name
Anti-PAX8 antibody [EPR13511] - C-terminal

Description
Rabbit monoclonal [EPR13511] to PAX8 - C-terminal

Host species
Rabbit

Tested applications
Suitable for: IHC-P

Species reactivity
Reacts with: Human

Predicted to work with: Mouse, Rat, Dog, Orangutan

Immunogen
Recombinant full length protein aa 300 to the C-terminus (C terminal). The exact sequence is proprietary.
Database link: Q06710

Positive control
Human thyroid carcinoma tissue. HeLa cells.

General notes
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

This product is a recombinant rabbit monoclonal antibody.

Properties

Form
Liquid

Storage instructions

Storage buffer
Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

Purity
Protein A purified

Clonality
Monoclonal
Clone number: EPR13511
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab189249 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
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<tr>
<td>IHC-P</td>
<td>1/200 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.</td>
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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 cases. 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

Immunohistochemical analysis of formalin fixed paraffin embedded human thyroid carcinoma labeling PAX8 with ab189249 at a 1/500 dilution and HRP Polymer for Rabbit IgG. Counterstained with Hematoxylin.

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