# BioVision

Anti-PAX-8 Antibody (IHC008)

CATALOG NO: A1545-50

ALTERNATIVE NAMES: Paired box protein Pax-8, PAX8, paired box 8, paired box gene 8

AMOUNT: 50 µl

IMMUNOGEN: PAX-8

HOST/ISOTYPE: IgG2a

CLONALITY: Monoclonal

CLONE: IHC008

MOL WEIGHT: 48 kDa

SPECIES REACTIVITY: Human

PURIFICATION: Protein A/G purification

FORM: Liquid

FORMULATION: Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide

STORAGE CONDITIONS: Shipped at 4°C. For long term storage store at 4°C. **Do not freeze.**

DESCRIPTION: PAX-8 is a member of the paired box (PAX) family of transcription factors, which are key regulators in early development. This protein plays a role in development of thyroid follicular cells and the expression of thyroid-specific genes, with mutations in the PAX-8 gene linked to thyroid follicular carcinomas, atypical thyroid adenomas, and thyroid dysgenesis. The PAX-8 protein is expressed in simple ovarian inclusion cysts and non-ciliated mucosal cells of the fallopian tubes, but is absent from normal ovarian surface epithelial cells. PAX-8 is also not expressed in normal lung or lung carcinomas. Reports have associated PAX-8 expression with renal carcinoma, nephroblastoma, and seminoma, and have indicated PAX-8 as a useful marker for renal epithelial tumors, ovarian cancer, and for differential diagnoses in lung and neck tumors. Anti-PAX-8 can be useful in determining the primary site of invasive micropapillary carcinomas of ovary from bladder, lung, and breast, when used in adjunct with a panel of organ-specific markers such as uroplakin, mammaglobin, and TTF-1.

APPLICATION: IHC: 1:100 - 1:200

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.
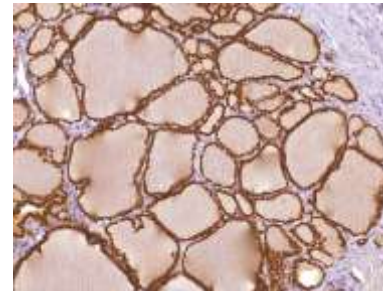
Formalin-fixed, paraffin-embedded Thyroid Gland stained with PAX-8 [IHC008]

RELATED PRODUCTS:

- PAX6 Antibody **(Cat. No. 3636R)**
- PAX6 Polyclonal Antibody **(Cat. No. 3636)**
- PAX6 Blocking Peptide **(Cat. No. 3636BP)**

FOR RESEARCH USE ONLY! Not to be used on humans.

Gentaur