

## **Pax-8 Polyclonal Antibody**

Catalog No: YT3602

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: Pax-8

**Fields:** >>Thyroid hormone synthesis;>>Pathways in cancer;>>Transcriptional

misregulation in cancer;>>Thyroid cancer

Gene Name: PAX8

**Protein Name:** Paired box protein Pax-8

Q06710

Q00288

Human Gene Id: 7849

**Human Swiss Prot** 

No:

Mouse Gene Id: 18510

**Mouse Swiss Prot** 

No:

Rat Gene Id: 81819

Rat Swiss Prot No: P51974

**Immunogen :** The antiserum was produced against synthesized peptide derived from human

Pax-8. AA range:145-194

**Specificity:** Pax-8 Polyclonal Antibody detects endogenous levels of Pax-8 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution :** WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

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**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration**: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 62kD

**Cell Pathway :** Pathways in cancer; Thyroid cancer;

**Background:** This gene encodes a member of the paired box (PAX) family of transcription

factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide, and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Alternatively spliced transcript variants encoding different isoforms have been

described. [provided by RefSeq, Mar 2010],

**Function:** caution: The sequence shown here is derived from an Ensembl automatic

analysis pipeline and should be considered as preliminary data., developmental stage: In developing excretory system, during thyroid differentiation and in adult thyroid., disease: Defects in PAX8 are the cause of congenital hypothyroidism nongoitrous 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., function: Transcription factor for the thyroid-specific

expression of the genes exclusively expressed in the thyroid cell type, maintaining

the functional differentiation of such cell

Subcellular Nucleus.

Location:

**Expression:** Expressed in the excretory system, thyroid gland and Wilms tumors.

**Sort :** 11655

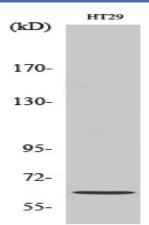
**No4:** 1

Host: Rabbit

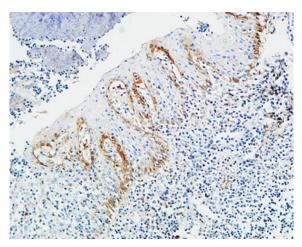
Modifications: Unmodified

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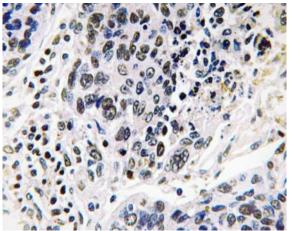
## **Products Images**



Western Blot analysis of various cells using Pax-8 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemistry analysis of Pax-8 antibody in paraffinembedded human lung carcinoma tissue.

