Immunoway
Best Tools for immunology Research

# Pax-8 Monoclonal Antibody (4H15)

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| **Catalog No :** | YM0509 |
| **Reactivity :** | Human |
| **Applications :** | WB;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 |
| **Human Gene Id :** | 7846 |
| **Human Swiss Prot No :** | Q06710 |
| **Mouse Swiss Prot No :** | Q00288 |
| **Immunogen :** | Purified recombinant fragment of human Pax-8 expressed in E. Coli. |
| **Specificity :** | Pax-8 Monoclonal Antibody detects endogenous levels of Pax-8 protein. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Monoclonal, Mouse |
| **Dilution :** | WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications. |
| **Purification :** | Affinity purification |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Molecularweight :** | 48kD |

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

**P References :**

1. Thyroid. 2009 Jan;19(1):61-8.
2. Cancer Genet Cytogenet. 2010 Jan 1;196(1):7-13.
3. Cancer Cytopathol. 2010 Oct 25;118(5):298-302.

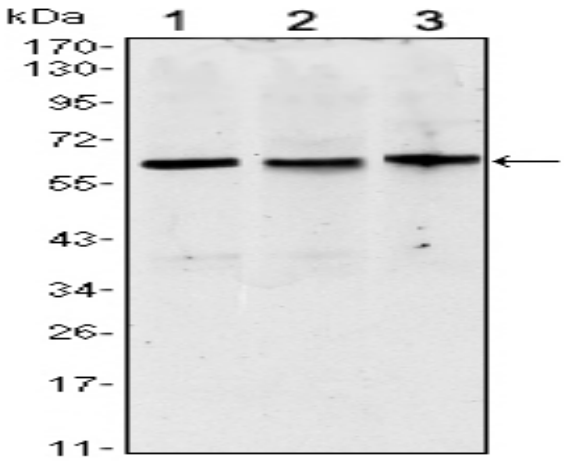
**Background :** This gene encodes a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide, and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development 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 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.,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 Location :** Nucleus.

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

## Products Images




Western Blot analysis using Pax-8 Monoclonal Antibody against HeLa (1),HEK293 (2) and Raji (3) cell lysate.