Best Tools for immunology Research

PAX-8 (PT0042R) rabbit mAb

Catalog No :	YM8013
Reactivity :	Human;
Applications :	IHC;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 :	7849
Human Swiss Prot No :	Q06710
Mouse Gene Id :	18510
Mouse Swiss Prot No :	Q00288
Rat Gene Id :	81819
Rat Swiss Prot No :	P51974
Immunogen :	Synthesized peptide derived from human protein. AA range:150-250
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500 ELISA: 1:20000

Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
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 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 :	Nuclear
Expression :	Expressed in the excretory system, thyroid gland and Wilms tumors.

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