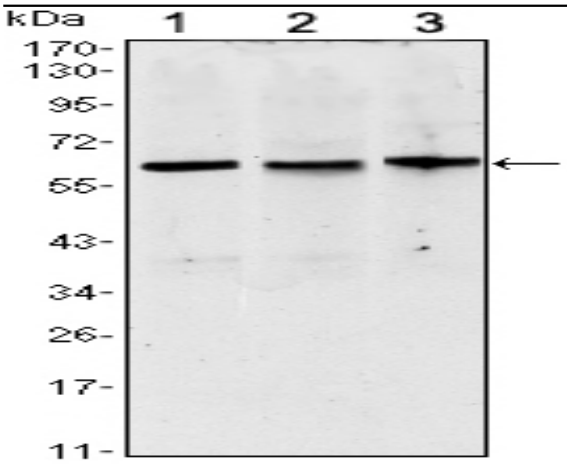
Best Tools for immunology Research

Pax-8 Monoclonal Antibody (4H15)

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.
Sort :	11654
No4 :	1
Host :	Mouse
Modifications :	Unmodified

Products Images



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