



Pax-8 Monoclonal Antibody

Catalog No	YP-Ab-15739
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	PAX8
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	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PAX-8; paired box 8; Paired box protein Pax 8; Paired box protein Pax-8; PAX 8; PAX8
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus.
Tissue Specificity	Expressed in the excretory system, thyroid gland and Wilms tumors.
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



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],

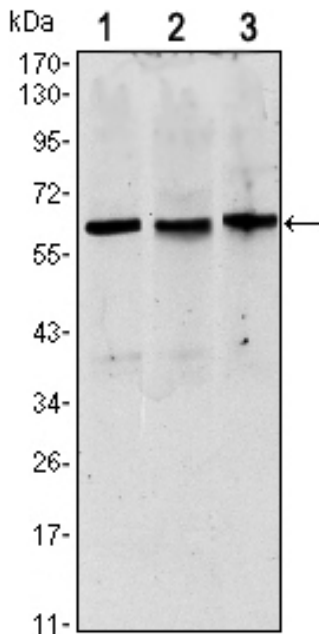
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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