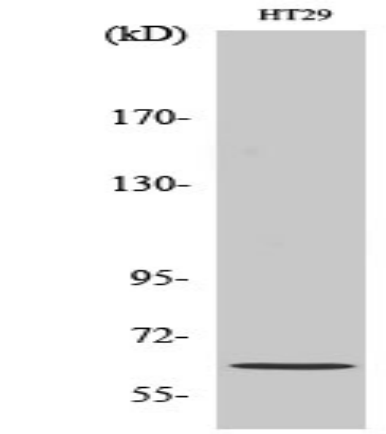
Best Tools for immunology Research

Pax-8 Polyclonal Antibody

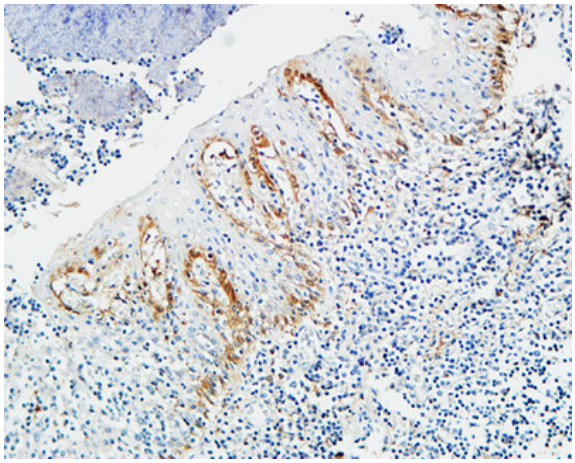
Catalog No :	YT3602
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Pax-8
Fields :	>>Thyroid hormone synthesis;>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Thyroid cancer
Gene Name :	PAX8
Protein Name :	Paired box protein Pax-8
Human Gene Id :	7849
Human Swiss Prot No :	Q06710
Mouse Gene Id :	18510
Mouse Swiss Prot No :	Q00288
Rat Gene Id :	81819
Rat Swiss Prot No :	P51974
Immunogen :	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

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 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.

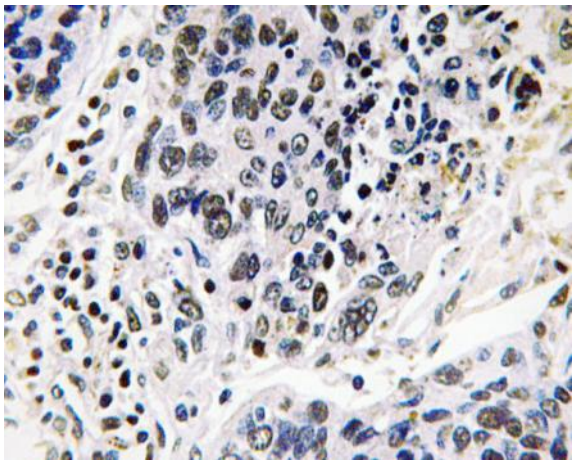
Products Images



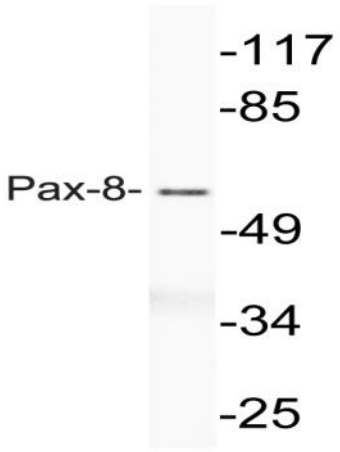
Western Blot analysis of various cells using Pax-8 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



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 paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from HT-29 cells, using Pax-8 antibody.