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Goat Anti-PAX8 (N Terminus) Antibody

Peptide-affinity purified goat antibody

Catalog # AF1794b

Specification

Goat Anti-PAX8 (N Terminus) Antibody - Product Information

Application	**IHC, WB**
Primary Accession	Q06710
Other Accession	NP_054698, 7849, 18510 (mouse), 81819 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**48218**

Goat Anti-PAX8 (N Terminus) Antibody - Additional Information

Gene ID 7849

Other Names
Paired box protein Pax-8, PAX8

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-PAX8 (N Terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-PAX8 (N Terminus) Antibody - Protein Information

Name PAX8

Function
Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.

Cellular Location
Nucleus.

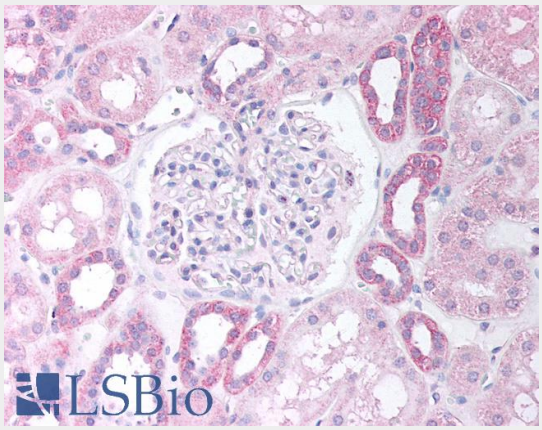
Tissue Location
Expressed in the excretory system, thyroid gland and Wilms tumors

Goat Anti-PAX8 (N Terminus) Antibody - Protocols

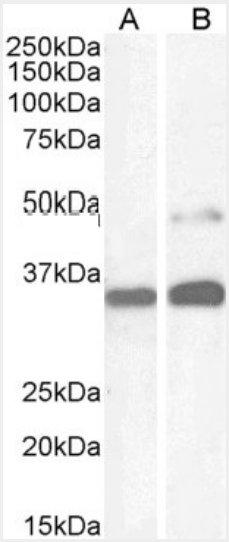
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-PAX8 (N Terminus) Antibody - Images



AF1794b (5 µg/ml) staining of paraffin embedded Human Kidney Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF1794b (1 µg/ml) staining of Human Kidney (A) and HeLa cell (B) lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.

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Goat Anti-PAX8 (N Terminus) Antibody - 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.

Goat Anti-PAX8 (N Terminus) Antibody - References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.
Mass spectrometry approaches for the redox characterization of protein cysteine residues the case of the transcription factor Pax-8. Scaloni A, et al. Methods Enzymol, 2010. PMID 20513481.
Comparative genomics reveals a functional thyroid-specific element in the far upstream region of the PAX8 gene. Nitsch R, et al. BMC Genomics, 2010 May 14. PMID 20470391.
PAX8 (+)/p63 (-) immunostaining pattern in renal collecting duct carcinoma (CDC): a useful immunoprofile in the differential diagnosis of CDC versus urothelial carcinoma of upper urinary tract. Albadine R, et al. Am J Surg Pathol, 2010 Jul. PMID 20463571.
PAX8 Expression in well-differentiated pancreatic endocrine tumors: correlation with clinicopathologic features and comparison with gastrointestinal and pulmonary carcinoid tumors. Long KB, et al. Am J Surg Pathol, 2010 May. PMID 20414099.