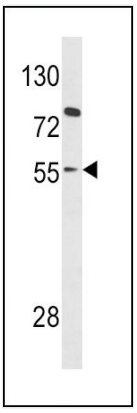
PAX8 Antibody – Rabbit Polyclonal

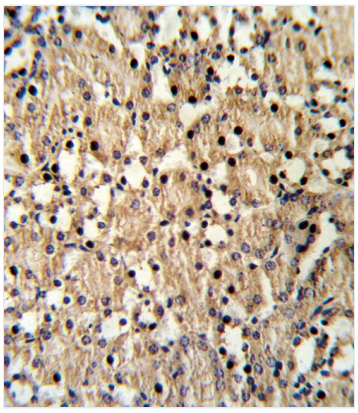
PRODUCT OVERVIEW

Product Name	Pax8, Polyclonal Antibody
Full Product Name	Pax8 (Paired Box 8, Paired Box Homeotic Gene 8, Paired Box Protein Pax8, Paired Box Protein Pax-8, Paired Domain Gene 8, Pax-8) (FITC)
Product Gene Name	anti-Pax8 antibody
Product Synonym Names	HGNC-8622
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PAX8.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	31,044 Da
OMIM	gene 218700
3D Structure	ModBase 3D Structure for Q06710
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 285-313 in the central region of human PAX8, UniProt Accession #NP_003457; Q06710; Q00288.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-Pax8 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-Pax8 antibody	Western Blot (WB), FLISA, Flow Cytometry (FC/FACS), Immunohistochemistry (IHC)
Application Notes for anti-Pax8 antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-Pax8 antibody	MBS6492273 is an antibody targeting Pax8. Also known as Pax8 (Paired Box 8, Paired Box Homeotic Gene 8, Paired Box Protein Pax8, Paired Box Protein Pax-8, Paired Domain Gene 8, Pax-8) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-Pax8 antibody	1. Ramos, H.E., et.al., Thyroid 19(1), 61-68 (2009).

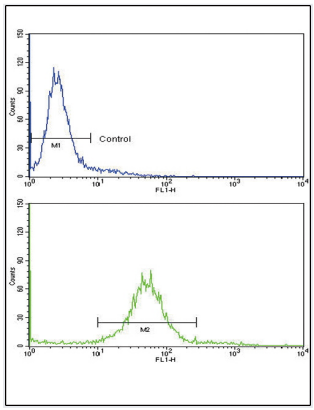
Other Notes	Small volumes of anti-Pax8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-Pax8 antibody
Western blot analysis of HL-60 cell line lysates (35ug/lane) usingMBS626462. PAX8 (arrow) was detected using theMBS626462.



Immunohistochemistry (IHC) of anti-Pax8 antibody
Formalin-fixed and paraffin-embedded mouse kidney reacted with MBS626462 (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry.



Flow Cytometry (FC/FACS) of anti-Pax8 antibody
Flow cytometric analysis of 293 cells using MBS626462 (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pax8. It may not necessarily be applicable to this product.

NCBI GI #	5803117
NCBI GeneID	7849
NCBI Accession #	NP_003457
UniProt Primary Accession #	Q06710
UniProt Secondary Accession #	Q00288
UniProt Related Accession #	Q06710
GenBank Nucleotide #	NM_003466
NCBI Official Full Name	paired box protein Pax-8 isoform PAX8A
NCBI Official Synonym Full Names	paired box 8
NCBI Official Symbol	PAX8
UniProt Protein Name	Paired box protein Pax-8

Protein Family	Paired box protein
UniProt Gene Name	PAX8
UniProt Entry Name	PAX8_HUMAN
NCBI Protein Information	paired box protein Pax-8; paired domain gene 8
UniProt Comments for Pax8	PAX8: Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells. Interacts with WWTR1. Expressed in the excretory system, thyroid gland and Wilms tumors. 5 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 2q13 Cellular Component: nucleoplasm; nucleus Molecular Function: protein binding; DNA binding; transcription factor activity; thyroid-stimulating hormone receptor activity Biological Process: regulation of apoptosis; anatomical structure morphogenesis; inner ear morphogenesis; central nervous system development; transcription, DNA-dependent; ureteric bud branching; positive regulation of transcription, DNA-dependent; thyroid gland development; positive regulation of transcription from RNA polymerase II promoter; mesonephros development; kidney development; pronephros development; urogenital system development Disease: Hypothyroidism, Congenital, Nongoitrous, 2
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