PAX8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PAX8, Polyclonal Antibody
Full Product Name	PAX8 Conjugated Antibody
Product Gene Name	anti-PAX8 antibody
Product Synonym Names	paired box 8; Paired box protein Pax-8; paired domain gene 8
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total PAX8 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	31,044 Da
OMIM	gene 218700
3D Structure	ModBase 3D Structure for Q06710
Immunogen	Fusion protein corresponding to residues near the C terminal of human Paired box 8
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-PAX8 antibody	Most Applications
Application Notes for anti-PAX8 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-PAX8 antibody	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.
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.
Searchable Terms for PAX8 purchase	MBS9446333 is an antibody targeting PAX8. Also known as PAX8 Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAX8. It may not necessarily be applicable to this product.

NCBI GI #	33987990
NCBI GeneID	7849
NCBI Accession #	BC001060
UniProt Primary Accession #	Q06710
UniProt Secondary Accession #	Q09155; Q16337; Q16338; Q16339; Q4ZG35; Q96J49
UniProt Related Accession #	Q06710
NCBI Official Full Name	Homo sapiens paired box 8, mRNA
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
Research Articles on PAX8	**1.** We reviewed the reliability of PAX8 to determine tumor type or primary site in 135 current clinical pelvic or abdominal lesions
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/pax8/9446333