

PAX8 Rabbit pAb

Catalog Number: bs-1201R

Target Protein: PAX8

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test), ICC/IF (1:100)

Reactivity: Human, Rat (predicted:Mouse, Sheep, Cow, Dog, Goat)

Predicted MW: 48 kDa

Entrez Gene: 7849

Swiss Prot: Q06710

Source: KLH conjugated synthetic peptide derived from human PAX8: 21-130/457.

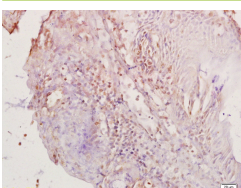
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

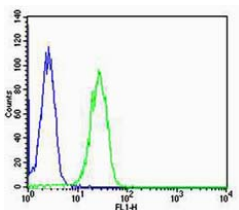
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This protein is a member of the paired box (PAX) family of transcription factors, typically containing a paired box domain, an octapeptide, and a paired-type homeodomain. This family plays critical roles during fetal development and cancer growth. The specific function of the PAX8 is unknown but it may involve kidney cell differentiation, thyroid development, or thyroid dysgenesis. Alternative splicing in the gene by inclusion or exclusion of exons 7 and/or 8 has produced several known products but the biological significance of the variants is unknown. Several other splice variants have been proposed but the full nature of these products has not been described. Pax8 is also a marker of otic progenitor cells.

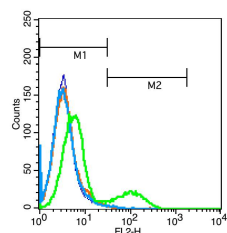
VALIDATION IMAGES



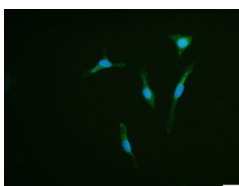
Tissue/cell: rat colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-PAX8 Polyclonal Antibody, Unconjugated(bs-1201R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Cell: HT-29; Concentration: 1:100 Host/Isotype: Rabbit/IgG (blue line) Flow cytometric analysis of Rabbit IgG isotype control on HT-29 (blue) compared with primary antibody (Cat#: bs-1021R) (green) followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (H+L) secondary antibody.



Primary Antibody: Rabbit Anti-TLR4 antibody (bs-1021R, green line); Isotype Control Antibody: Rabbit IgG (orange line); Secondary Antibody: F(ab')₂ fragment goat anti-rabbit IgG-PE (white blue line) Positive control: Jurkat cells (blue line) Protocol 1. Jurkat cells were washed twice with phosphate-buffered saline (PBS). 2. An equivalent amount of pre-warmed 4% paraformaldehyde was added and the cells were incubated for 10 min at 37 °C.



U87MG cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (PAX8) polyclonal Antibody, Unconjugated (bs-1201R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.872] Dong X et al. PM2.5 disrupts thyroid hormone homeostasis through activation of the hypothalamic-pituitary-thyroid (HPT) axis and induction of hepatic transthyretin in female rats 2.5 Ecotoxicol Environ Saf. 2021 Jan 15; 208:111720. IHC, WB ; Rat . 33396051

[IF=4.711] Xiuzhen Du. et al. Membranous and nuclear staining of CLDN18 in HPV-independent and HPV-associated endocervical adenocarcinomas. CANCER MED-US. 2022 Jul; IHC ; Human . 35861118

[IF=4.223] Dong, Xinwen. et al. Protective effects of curcumin against thyroid hormone imbalance after gas explosion-induced traumatic brain injury via activation of the hypothalamic-pituitary-thyroid axis in male rats. ENVIRON SCI POLLUT R. 2022 May; 1-13 WB, IHC ; Rat . 35641736

[IF=2.34] Huang et al. Upregulation of TSHR, TTF-1, and PAX8 in Nodular Goiter Is Associated with Iodine Deficiency in the Follicular Lumen. (2016) Int. J. Endocrinol. 2016; 2492450 IHC, WB ; Human . 27525008

[IF=1.38] Vadasz, Stephanie, et al. "Second and third trimester amniotic fluid mesenchymal stem cells can repopulate a de-cellularized lung scaffold and express lung markers." Journal of Pediatric Surgery (2014). Other ; "Human" . 25475793