




Rabbit Anti-PAX8 antibody

SL1201R

Product Name:	PAX8
Chinese Name:	配对盒基因8抗体
Alias:	Paired Box Gene 8; paired box homeotic gene 8; Paired box protein Pax 8; Paired Domain Gene 8; PAX 8;PAX-8; PAX8_HUMAN.
文献引用  :	Specific References(1) SL1201R has been referenced in 1 publications. [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). Human . PubMed:25475793
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PAX8:21-130/457
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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.</p> <p>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.</p> <p>Subunit: Interacts with WWTR1.</p> <p>Subcellular Location: Nucleus.</p> <p>Tissue Specificity: Expressed in the excretory system, thyroid gland and Wilms tumors.</p> <p>DISEASE: Hypothyroidism, congenital, non-goitrous, 2 (CHNG2) [MIM:218700]: 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. Note=The disease is caused by mutations affecting the gene represented in this entry.</p> <p>Similarity: Contains 1 paired domain.</p> <p>SWISS: Q06710</p> <p>Gene ID: 7849</p> <p>Database links:</p>

[Entrez Gene: 7849](#)Human

[Entrez Gene: 18510](#)Mouse

[Entrez Gene: 81819](#)Rat

[Omim: 167415](#)Human

[SwissProt: Q06710](#)Human

[SwissProt: Q00288](#)Mouse

[SwissProt: P51974](#)Rat

[Unigene: 469728](#)Human

[Unigene: 2533](#)Mouse

[Unigene: 10392](#)Rat

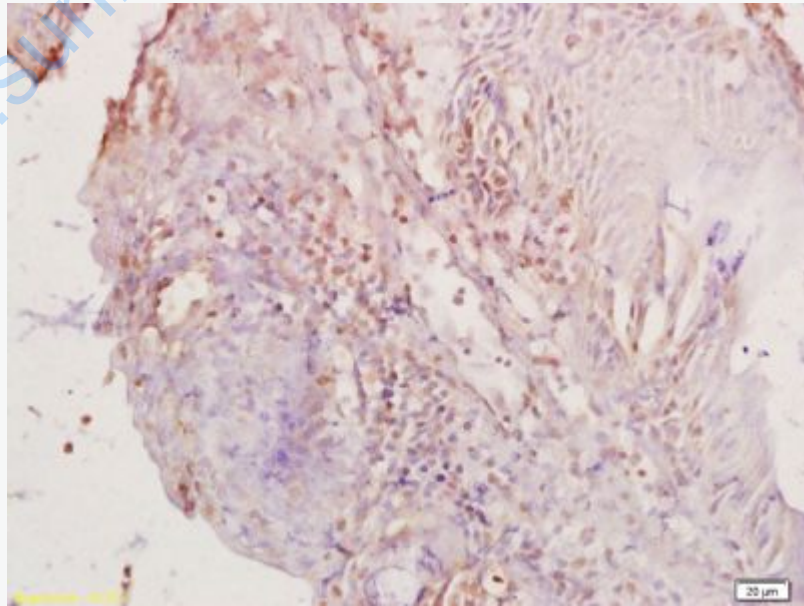
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

同源结构域蛋白 (Homeodomain Proteins)

PAX8属于转录抑制因子PAXs的一种。在胚胎发育和Tumour生长中起关键作用。其突变和某些Tumour的发病有关。

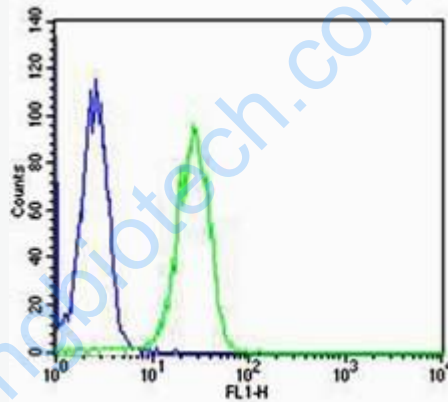
Picture:



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(SL1201R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

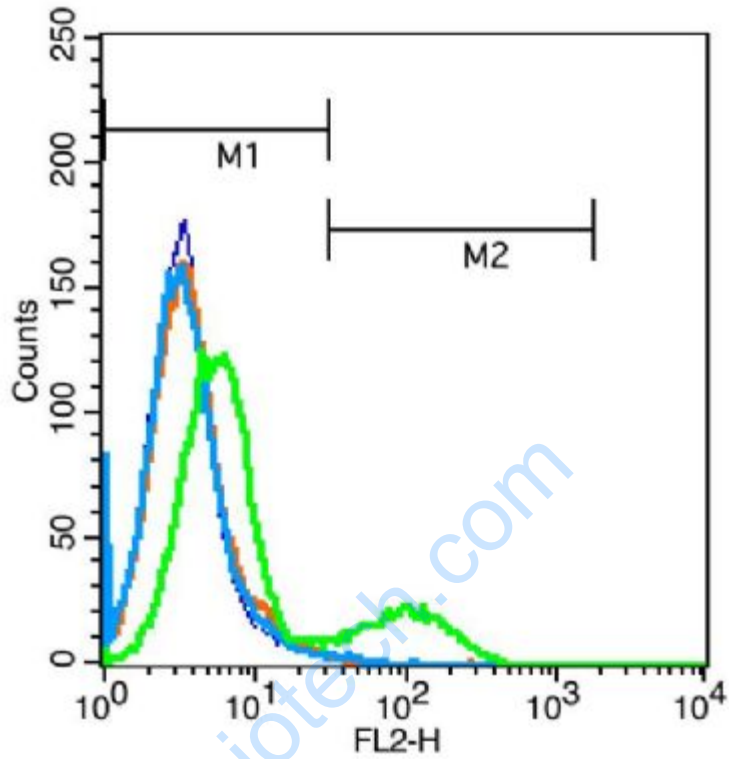


Cell:HT-29;

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(SL1201R); 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.