

Anti-PAX8 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Cow,Sheep,Goat)
Molecular Weight:	Theoretical: 48 kDa.
Purification:	Protein A purified

Applications

1. U87MG cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (PAX8) polyclonal Antibody, Unconjugated (TMAB-10018) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

2. Primary Antibody: Rabbit Anti-TLR4 antibody;
 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.

3. Tissue/cell: rat colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-PAX8 Polyclonal Antibody, Unconjugated (TMAB-10018) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining

4. 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 followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (H+L) secondary antibody.

Verified Activity:

Application: IHC-P,IHC-Fr,ICC/IF,IF,FCM

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PAX8
Antigen Species: Human
Gene ID: 7849
Uniprot ID: Q06710

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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