

## Rabbit Anti-PAX8 antibody

SLM-60632R

**Product Name** PAX8

**Chinese Name** 配对盒基因 8 兔单克隆抗体

**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.

**Research Area** Developmental biology Neurobiology transcriptional regulatory factor Epigenetics

**Immunogen Species** Rabbit

**Clonality** Monoclonal

**Clone NO.** 5F9

**React Species** Human,Mouse(predicted:Rat)

**Applications** IHC-P=1:50-100,IHC-F=1:400-800,ICC/IF=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 48kDa

**Cellular localization** The nucleus

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human PAX8

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

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

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

**PubMed** [PubMed](#)



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.

**SWISS:**  
Q06710

**Gene ID:**  
7849

**Product  
Detail**

**Database links:**

[Entrez Gene: 7849](#) Human

[Entrez Gene: 18510](#) Mouse

[Entrez Gene: 81819](#) Rat

[Omim: 167415](#) Human

[SwissProt: Q06710](#) Human

[SwissProt: Q00288](#) Mouse

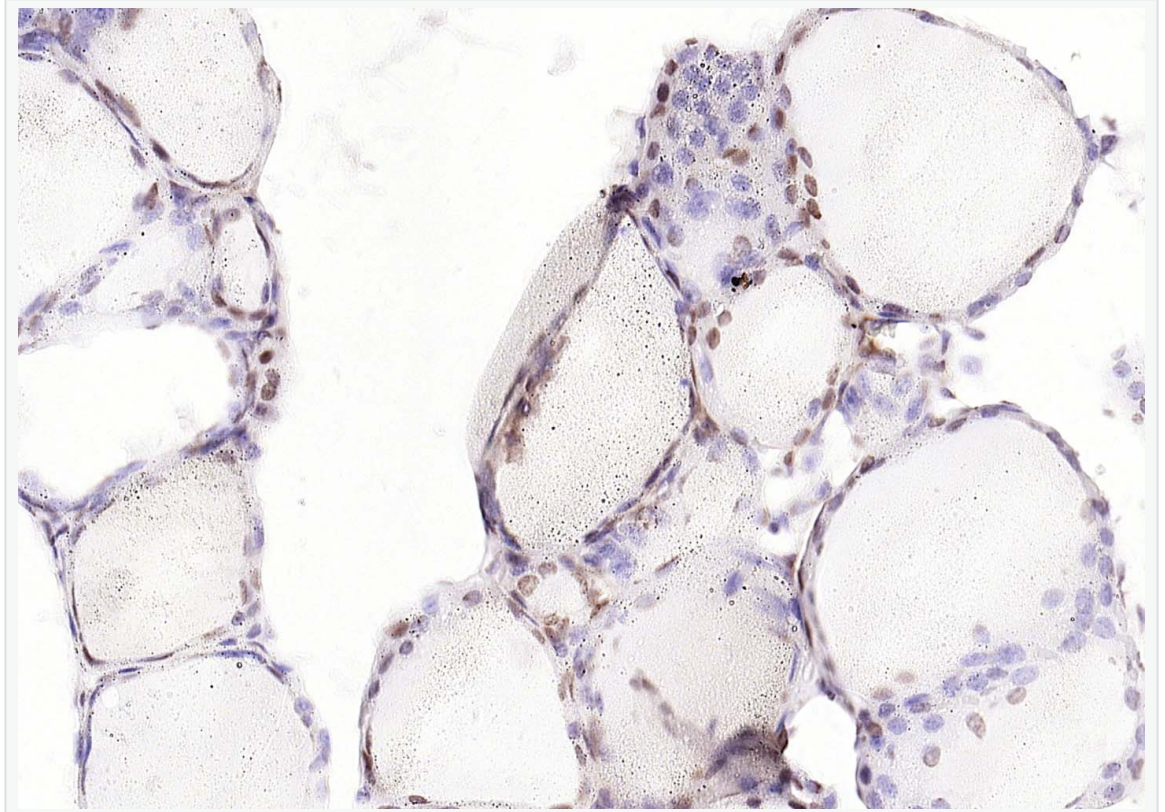
[SwissProt: P51974](#) Rat

[Unigene: 469728](#) Human

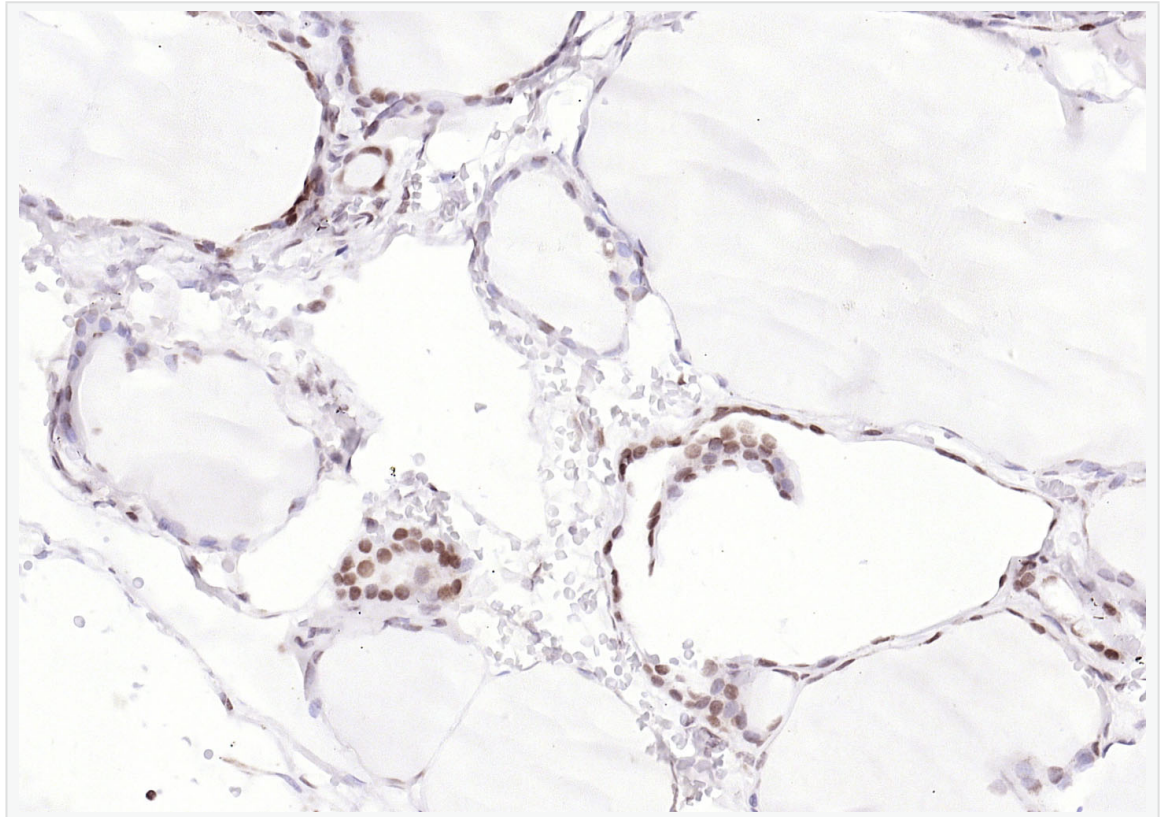
[Unigene: 2533](#) Mouse

[Unigene: 10392](#) Rat

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (MOUSE thyroid gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAX8) Monoclonal Antibody, Unconjugated (SLM-60632R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human thyroid gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAX8) Monoclonal Antibody, Unconjugated (SLM-60632R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.