

## Anti-SOX9 Polyclonal Antibody 2

## Product Details

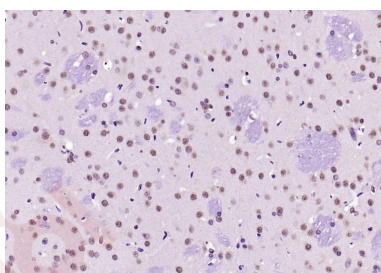
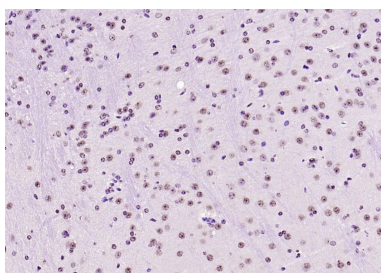
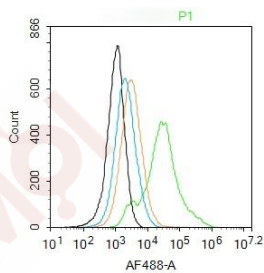
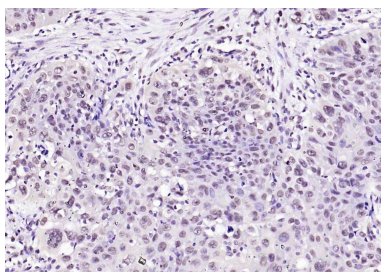
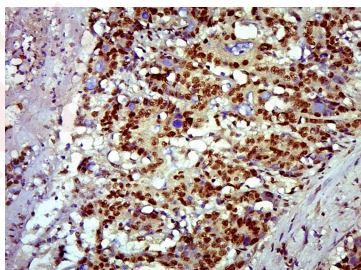
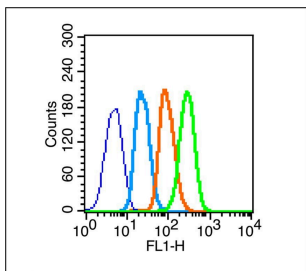
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 56 kDa.
Purification:	Protein A purified

## Applications

- Blank control (blue line): U251 (fixed with 2% paraformaldehyde (10 min , then permeabilized) with 90% ice-cold methanol for 20 min on ice).  
Primary Antibody (green line): Rabbit Anti-SOX9 antibody (TMAB-01761), Dilution: 1 µg/10<sup>6</sup> cells;  
Isotype Control Antibody (orange line): Rabbit IgG.  
Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1 µg/test.
- Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SOX9) Polyclonal Antibody, Unconjugated (TMAB-01761) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SOX9) Polyclonal Antibody, Unconjugated (TMAB-01761) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Blank control: 293T.  
Primary Antibody (green line): Rabbit Anti-SOX9 antibody (TMAB-01761)  
Dilution: 1 µg/10<sup>6</sup> cells;  
Isotype Control Antibody (orange line): Rabbit IgG.  
Secondary Antibody: Goat anti-rabbit IgG-AF488  
Dilution: 1 µg/test.  
Protocol  
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
- Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SOX9) Polyclonal Antibody, Unconjugated (TMAB-01761) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SOX9) Polyclonal Antibody, Unconjugated (TMAB-01761) at 1:200 overnight at

Verified Activity:

4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



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

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1ug/test

## A DRUG SCREENING EXPERT

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### Properties

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

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human SOX9

Antigen Species: Human

Gene ID: 6662

Synonyms: Transcription factor SOX-9

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### Research Background

May be involved in chondrogenesis (cartilage development) during bone formation. Unlikely to play a role in sex determination but may function during testicular and ovarian differentiation (By similarity). Transcriptional activator. Acts early in neural crest formation, functioning redundantly with the other group E Sox factors sox8 and sox10 to induce neural crest progenitors. Induces sox10 expression downstream of wnt-signaling. Principally involved in development of the cranial neural crest, which is fated to form skeletal elements. Also required for otic placode specification during inner ear development.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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