

## Anti-OCT2 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 51 kDa. Actual: 51 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Tissue/cell: mouse heart 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-OCT2 Polyclonal Antibody, Unconjugated (TMAB-09742) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining
	2. Sample: A549 Cell lysate at 30 µg; Primary: Anti-OCT2 (TMAB-09742) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 3000 dilution; Predicted band size: 51 kD Observed band size: 51 kD
	3. Tissue/cell: human lung carcinoma; 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-OCT2 Polyclonal Antibody, Unconjugated (TMAB-09742) 1:500, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining
	4. Sample: Lane 1: Mouse Lymph node tissue lysates Lane 2: Rat Lymph node tissue lysates Primary: Anti-OCT2 (TMAB-09742) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa Observed band size: 51 kDa
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### 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: mouse OCT2  
Antigen Species: Mouse  
Gene ID: 18987  
Uniprot ID: Q00196

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### Research Background

Oct2 is a transcription factor that specifically binds to the octamer motif (5'-ATTGCAT-3'). Oct2 regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. It also modulates transcription transactivation by NR3C1, AR and PGR. Oct2 is B cell specific, belongs to the POU transcription factor family class 2 subfamily and contains 1 homeobox domain.

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

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