

bs-1077R

[Primary Antibody]

OCT2 Rabbit pAb

BioSS
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

DATASHEET

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

GeneID: 18987

SWISS: Q00196

Target: OCT2

Immunogen: KLH conjugated synthetic peptide derived from mouse OCT2: 11-100/463.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Oct2 is a transcription factor that specifically binds to the octamer motif (5'-ATTGTCAT-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.

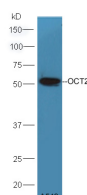
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat

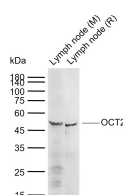
Predicted MW.: 51 kDa

Subcellular Location: Cytoplasm ,Nucleus

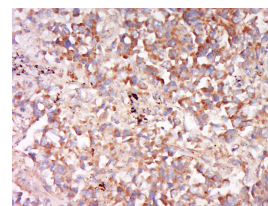
VALIDATION IMAGES



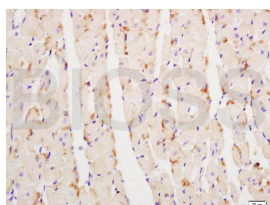
Sample: A549 Cell lysate at 30 ug; Primary: Anti-OCT2 (bs-1077R) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G) at 1: 3000 dilution; Predicted band size : 51 kD Observed band size : 51 kD



Sample: Lane 1: Mouse Lymph node tissue lysates Lane 2: Rat Lymph node tissue lysates
Primary: Anti-OCT2 (bs-1077R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa
Observed band size: 51 kDa



Tissue/cell: human lung carcinoma; 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-OCT2 Polyclonal Antibody, Unconjugated(bs-1077R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse heart 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-OCT2 Polyclonal Antibody,

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

Unconjugated(bs-1077R) 1:200, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=10.273]** Singh NK et al. Three-dimensional cell-printing of advanced renal tubular tissue analogue. Biomaterials. 2019 Dec 26;232:119734. WB,IF ;Mouse. 31918226
- **[IF=4.8]** Qingchen Qiao. et al. Combination of Periodontal Ligament Stem Cells and Metformin via Organic Cation Transporters for Periodontal Regeneration in Rats. BIOMOLECULES. 2025 May;15(5):663 IF ;Human. 40427556
- **[IF=3.3]** Xu C, Zhu L, Chan T, Lu X, Shen W, et al. (2015) The Altered Renal and Hepatic Expression of Solute Carrier Transporters (SLCs) in Type 1 Diabetic Mice. PLoS ONE 10(3): e0120760. doi:10.1371/journal.pone.0120760 WB ;="Mouse". 25789863
- **[IF=2.31]** Zhou LN et al. Macrophage polarization in human gingival tissue in response to periodontal disease.(2018) Oral Dis. Oct 4. IHC ;Human. 30285304