



Rabbit Anti-OCT2 antibody

SL1077R

Product Name:	OCT2
Chinese Name:	阳离子Transporter2抗体
Alias:	organic cation transporter OCT2; POU domain, class 2, transcription factor 2; Octamer-binding transcription factor 2; Oct-2; OTF-2; Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2; POU2F2; NF A2; Oct 2; PO2F2_MOUSE; PO2F2 HUMAN.
文献引用 PubMed :	<p>Specific References(1) SL1077R has been referenced in 1 publications.</p> <p>[IF=3.30]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.0120760WB;Mouse.</p> <p style="text-align: right;">PubMed:25789863</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse OCT2:11-100/463
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Oct2 is a transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-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.</p> <p>Function: Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3'). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. Modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter.</p> <p>Subunit: Interacts with NR3C1, AR and PGR.</p> <p>Subcellular Location: Cytoplasm. Nuclear</p> <p>Tissue Specificity: Isoform 3 is B-cell specific. Isoform 5 is expressed in B-cells and the immunoglobulin-expressing T-cell line Molt-4, but not in the T-cell line BW 5147.</p> <p>Similarity: Belongs to the POU transcription factor family. Class-2 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.</p> <p>SWISS: Q00196</p> <p>Gene ID: 18987</p> <p>Database links: Entrez Gene: 5452Human Entrez Gene: 18987Mouse Entrez Gene: 117058Rat Oimim: 164176Human SwissProt: P09086Human</p>

[SwissProt: Q00196](#)Mouse

[Unigene: 147381](#)Human

[Unigene: 76683](#)Mouse

[Unigene: 155998](#)Rat

Important Note:

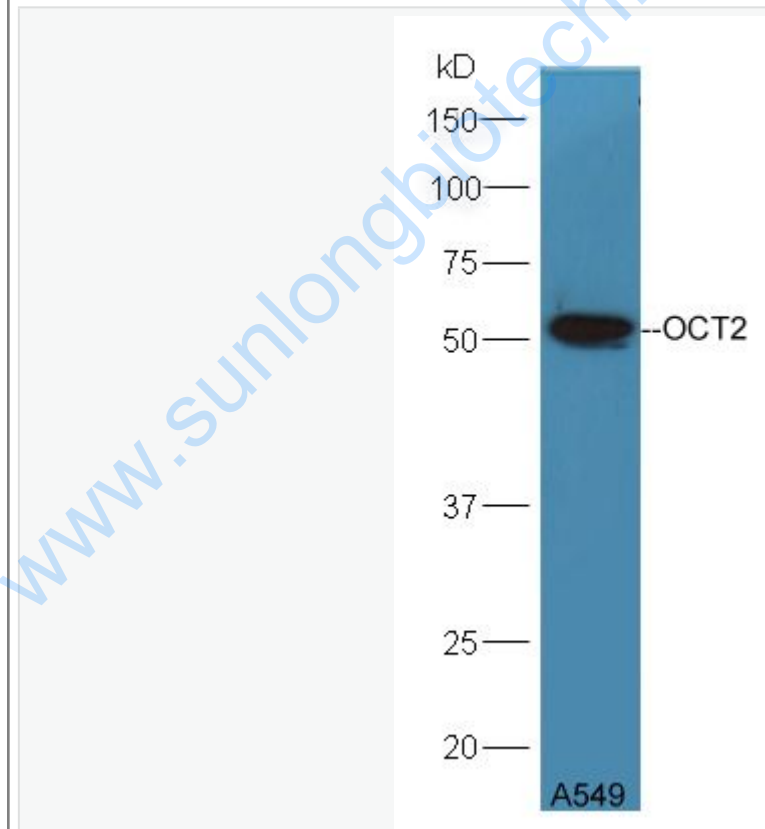
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

同源结构域蛋白 (Homeodomain Proteins)

OCT-

2是Blymphocyte转录因子, 以免疫球蛋白启动子为目标, 于生发中心形成和BCell differentiation成浆细胞中起作用。

Picture:



Sample:

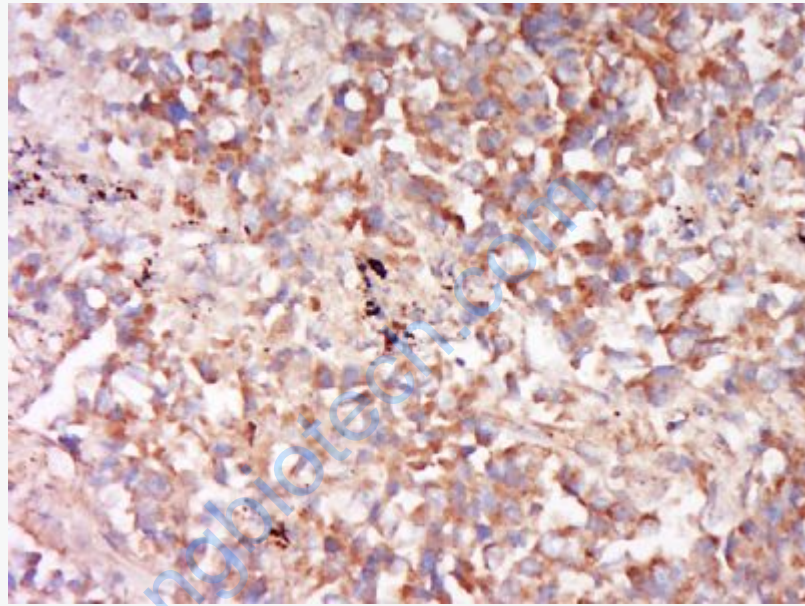
A549 Cell lysate at 30 ug;

Primary: Anti-OCT2 (SL1077R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G) at 1: 3000 dilution;

Predicted band size : 51 kD

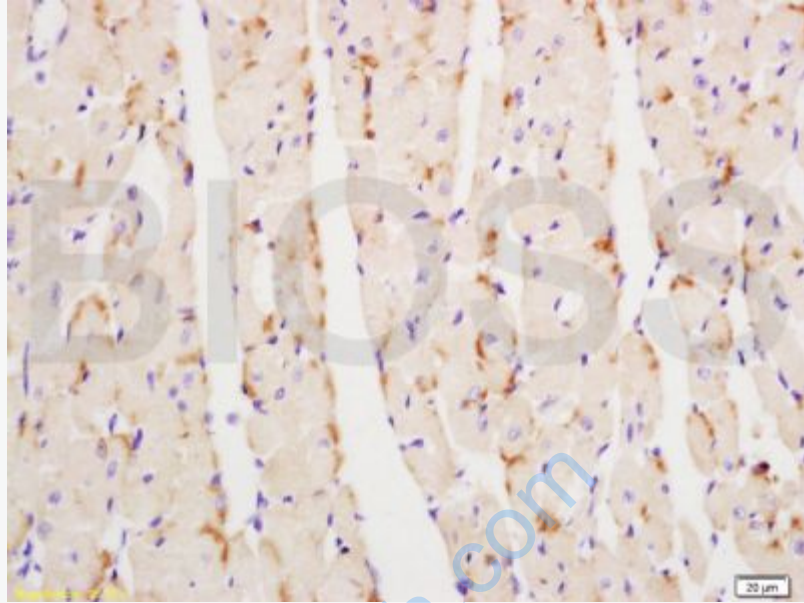
Observed band size : 51 kD



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(SL1077R) 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, Unconjugated(SL1077R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining