



Mouse Anti-OCT2 antibody (BH0136)

BH0136

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Product Name:	OCT2
Chinese Name:	小鼠抗阳离子Transporter2单克隆抗体
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.
Organism Species:	Mouse
Clonality:	Monoclonal
克隆号:	5A11
React Species:	Human,
Applications:	IHC-P=1:100-500IHC-F=1:100-500ICC=1:100-500IF=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 human OCT2:
Lsotype:	IgG1
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:	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.

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.

Subunit:

Interacts with NR3C1, AR and PGR.

Subcellular Location:

Cytoplasm. Nuclear

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.

Similarity:

Belongs to the POU transcription factor family. Class-2 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.

SWISS:

P09086

Gene ID:

5452

Database links:

[Entrez Gene: 5452](#)Human

[Entrez Gene: 18987](#)Mouse

[Entrez Gene: 117058](#)Rat

[Omim: 164176](#)Human

[SwissProt: P09086](#)Human

[SwissProt: Q00196](#)Mouse

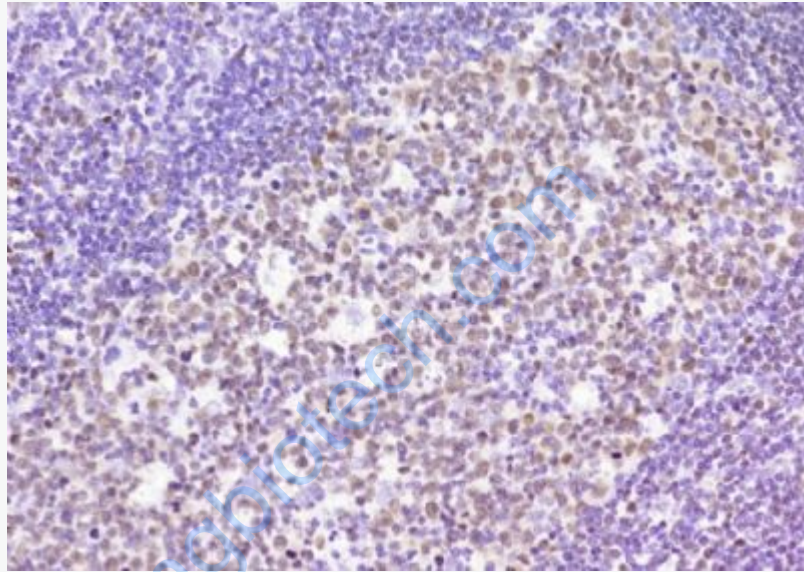
[Unigene: 147381](#)Human

[Unigene: 76683](#)Mouse

[Unigene: 155998Rat](#)

Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (human tonsil); 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 (OCT2) Monoclonal Antibody, Unconjugated (BH0136) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.