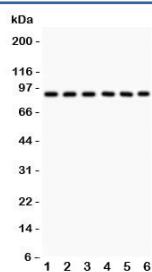


## Oct-1 Antibody / POU2F1 (R31730)

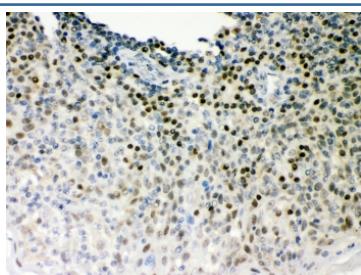
Catalog No.	Formulation	Size
R31730	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P14859
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This Oct-1 antibody is available for research use only.



Western blot testing of Oct-1 antibody and Lane 1: rat liver; and human samples 2: placenta; 3: Jurkat; 4: HeLa; 5: A549; 6: SMMC-7721. Predicted molecular weight ~89 kDa.



IHC-P: Oct-1 antibody testing of human tonsil tissue

## Description

POU domain class 2 transcription factor 1, also known as OTF1 (Octamer-binding transcription factor 1) or Oct-1 (Octamer-binding protein 1), is a protein that in humans is encoded by the POU2F1 gene. The transcription factor was among the first identified members of the POU transcription factor family. It has been found that the Oct-1 dimer formed on the palindromic OCT factor recognition element, or PORE (ATTTGAAATGCAAAT), could recruit the transcriptional coactivator OBF1, whereas dimers formed on the consensus MORE (more PORE) (ATGCATATGCAT) or on MOREs from immunoglobulin heavy chain promoters (AT[G/A][C/A]ATATGCAA) failed to interact. POU domain proteins contain a bipartite DNA-binding domain divided by a flexible linker that enables them to adopt various monomer configurations on DNA.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Oct-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 11-240) was used as the immunogen for this Oct-1 antibody.

## Storage

After reconstitution, the Oct-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.