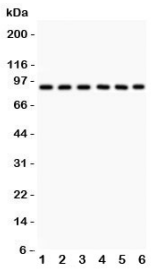
Oct-1 Antibody / POU2F1 (R31730)

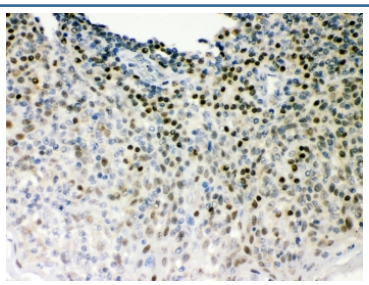
Catalog No.	Formulation	Size
R31730	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P14859
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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