

Oct-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10251**Specification**

Oct-1 Antibody - Product Information

Application	WB, IHC
Primary Accession	P14859
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	76472

Oct-1 Antibody - Additional Information**Gene ID** 5451

Application & Usage	Western blotting (0.5-4 µg/ml). Based on researchers feed back, it also works in Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.
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Other Names

POU2F1, OCT1, OTF1, OTF-1, NF-A1 , Oct-1, 5451

Target/Specificity

Oct-1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-Oct-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Oct-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Oct-1 Antibody - Protein Information

Name POU2F1

Synonyms OCT1, OTF1

Function

Transcription factor that binds to the octamer motif (5'- ATTTGCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins. Modulates transcription transactivation by NR3C1, AR and PGR.

Cellular Location

Nucleus.

Tissue Location

Ubiquitous. Isoform 2 is lymphocyte-specific.

Oct-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Oct-1 Antibody - Images

Oct-1 Antibody - Background

Members of Oct family of transcription factors specifically interact with Octamer motif ATGCAAAT, a regulatory element important for tissue- and cell-specific transcription as well as for transcription of a number of housekeeping genes. All of the members of the Oct family contain two highly conserved domains which are separated by 14-26 variable amino acids. These include the POU homeodomain and the POU-specific domain. Both are required for DNA binding and are involved in protein-protein interactions. Evidences indicate that regulation of Oct family transcription factors occurs at the level of phosphorylation.