10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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.**

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.

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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 Cytomety
- 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.