

Oct-2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10424**Specification**

Oct-2 Antibody - Product Information

Application	WB
Primary Accession	P09086
Other Accession	AAA59978
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51209

Oct-2 Antibody - Additional Information**Gene ID** 5452**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~52 kDa Oct-2 in samples from human, mouse, and rat origins. Reactivity to other species has not been tested.

Other Names

OCT2 , OTF2 , Oct-2 , POU2F2

Target/Specificity

Oct-2

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Oct-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Oct-2 Antibody - Protein Information

Name POU2F2 ([HGNC:9213](#))

Synonyms OCT2, OTF2

Function

Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3') (PubMed:2904654, PubMed:7859290). Regulates IL6 expression in B cells with POU2AF1 (By similarity). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression (PubMed:2901913, PubMed:2904654). Modulates transcription transactivation by NR3C1, AR and PGR (PubMed:10480874).

Cellular Location

Cytoplasm. Nucleus.

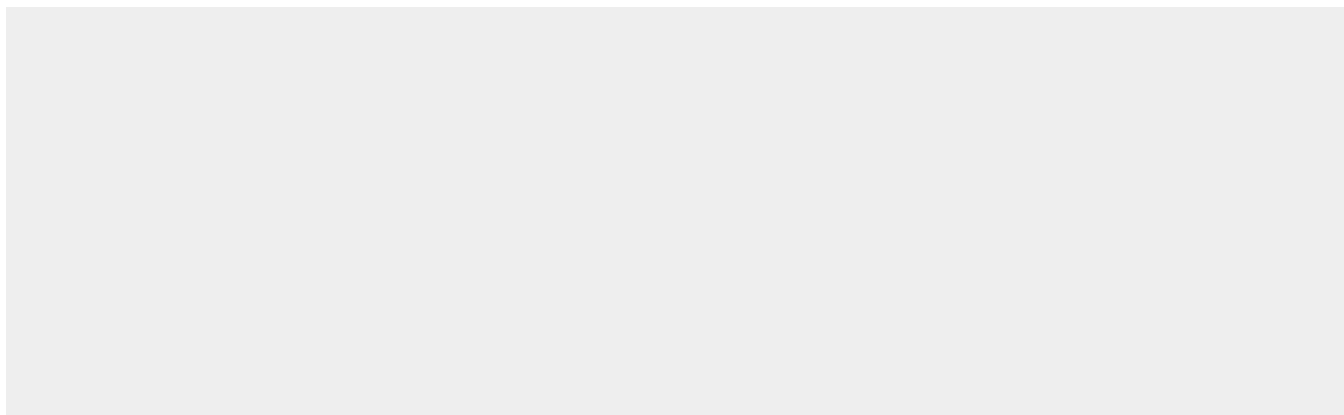
Tissue Location

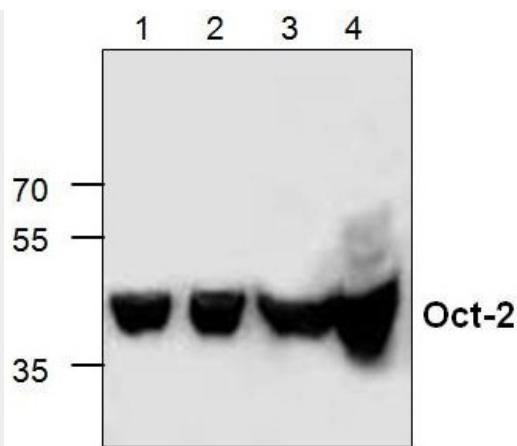
Isoform 3 is B-cell specific. Isoform 5 is expressed in B-cells and the immunoglobulin-expressing T-cell line MOLT-4, but not in the T-cell line BW5147.

Oct-2 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-2 Antibody - Images



Western blot analysis of Oct-2 expression in lysates from Jurkat cells (Lane 1 & 2), 3T3 cells (Lane 3) and rat kidney (Lane 4).

Oct-2 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.