

# Oct-2 Polyclonal Antibody

Catalog # AP71414

### **Product Information**

**Application** WB, IHC-P, IF **Primary Accession** P09086

**Reactivity** Human, Mouse, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 51209

## **Additional Information**

**Gene ID** 5452

Other Names POU2F2; OCT2; OTF2; POU domain; class 2, transcription factor 2;

Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2; Octamer-binding protein 2; Oct-2; Octamer-binding transcription factor 2;

OTF-2

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other

applications. IHC-P~~N/A IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

#### **Protein Information**

Name POU2F2 ( HGNC:9213)

Synonyms OCT2, OTF2

**Function** Transcription factor that specifically binds to the octamer motif

(5'-ATTTGCAT-3') (PubMed:<u>2904654</u>, PubMed:<u>7859290</u>). 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

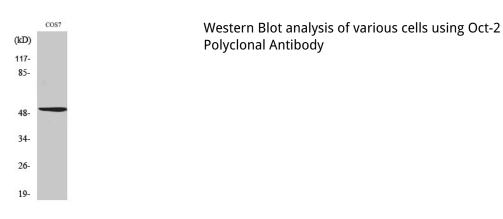
immunoglobulin-expressing T-cell line MOLT-4, but not in the T-cell line

BW5147.

# **Background**

Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3'). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. Modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter.

## **Images**



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