9853 Pacific Heights Blvd.
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35-1842: Polyclonal Antibody to OCT1

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Human,Mouse
Gene :	POU2F1
Gene ID :	5451
Uniprot ID :	P14859
Format :	Purified
Alternative Name :	1-Oct, OTF1, oct-1B
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.270~274(T-P-K-R-I) derived from Human Oct-1.

Description

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 By similarity. In case of human herpes simplex virus (HSV) infection, POU2F1 forms a multiprotein-DNA complex with the viral transactivator protein VP16 and HCFC1 thereby enabling the transcription of the viral immediate early genes. Prefontaine G.G., Walther R., Giffin W. J. Biol. Chem. 274:26713-26719(1999) Mahajan S.S., Wilson A.C. Mol. Cell. Biol. 20:919-928(2000)

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 90kd, Western blotting: 1:500~1:1000, Immunofluorescence?1:100~1:200

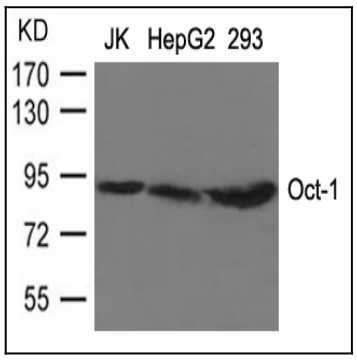


Figure 1: Western blot analysis of extracts from JK, HepG2 and 293 cells using Oct-1 Antibody 35-1842 .

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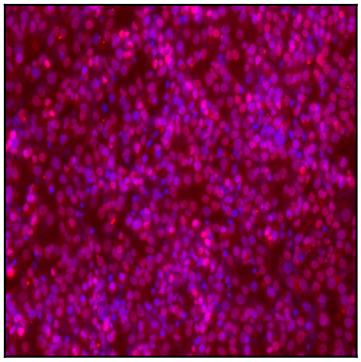


Figure 2: Immunofluorescence staining of methanol-fixed NCI-h446 cells showing cytoplasmic staining using Oct-1 Antibody 35-1842 .

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