

## Oct-1 Antibody

Catalog No: #21674

Package Size: #21674-1 50ul #21674-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Oct-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total Oct-1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.270~274(T-P-K-R-I) derived from Human Oct-1.
Target Name	Oct-1
Other Names	1-Oct; OTF1; oct-1B
Accession No.	Swiss-Prot: P14859NCBI Protein: NP_001185712.1
Uniprot	P14859
GeneID	5451;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

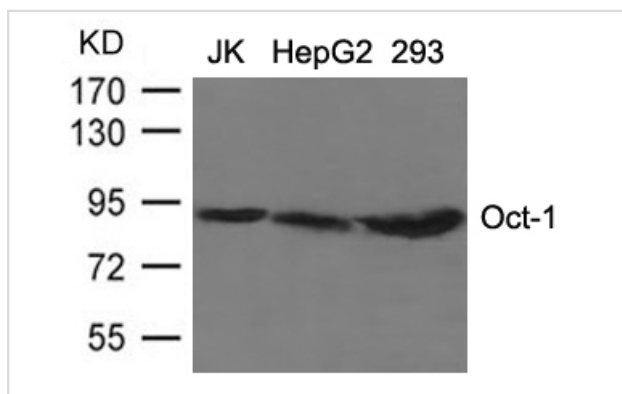
## Application Details

Predicted MW: 90kd

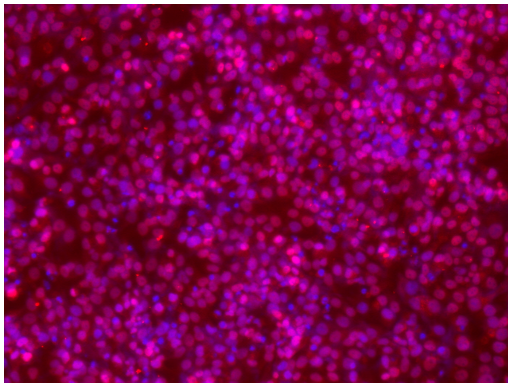
Western blotting: 1:500~1:1000

ImmunofluorescenceO 1:100~1:200

## Images



Western blot analysis of extracts from JK, HepG2 and 293 cells using Oct-1 Antibody #21674.



Immunofluorescence staining of methanol-fixed NCI-h446 cells showing cytoplasmic staining using Oct-1 Antibody #21674.

## Background

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)

Note: This product is for in vitro research use only