

OCT1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51439**Specification**

OCT1 Antibody - Product Information

Application	WB
Primary Accession	P14859
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76 KDa
Antigen Region	51 - 110

OCT1 Antibody - Additional Information**Gene ID** 5451**Other Names**

POU domain, class 2, transcription factor 1, NF-A1, Octamer-binding protein 1, Oct-1, Octamer-binding transcription factor 1, OTF-1, POU2F1, OCT1, OTF1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human 41913. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

OCT1 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.

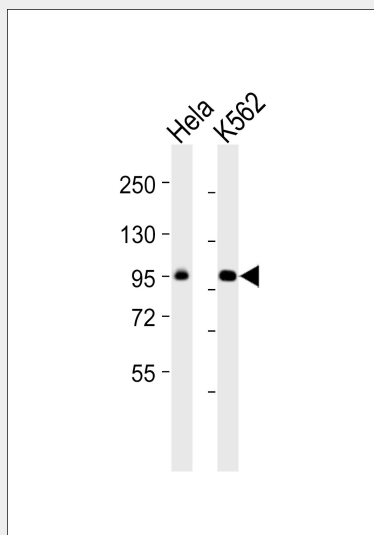
Tissue Location

Ubiquitous. Isoform 2 is lymphocyte-specific.

OCT1 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](#)

OCT1 Antibody - Images

All lanes : Anti-OCT1 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 76 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

OCT1 Antibody - Background

Transcription factor that binds to the octamer motif (5'-ATTGTCAT-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.

OCT1 Antibody - References

Sturm R.A., et al. Genes Dev. 2:1582-1599(1988).
Luchina N.N., et al. Immunol. Lett. 85:237-241(2003).
Ota T., et al. Nat. Genet. 36:40-45(2004).

Gregory S.G.,et al.Nature 441:315-321(2006).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.