

Anti-OCT1 Antibody

Catalog # AP51439

Product Information

Application	WB, IHC
Primary Accession	P14859
Reactivity	Human, Pig, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76472

Additional Information

Gene ID	5451
Other Names	OCT1; OTF1; POU domain, class 2, transcription factor 1; NF-A1; Octamer-binding protein 1; Oct-1; Octamer-binding transcription factor 1; OTF-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human OCT1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

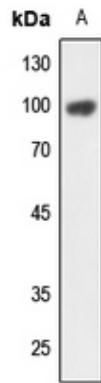
Protein Information

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.

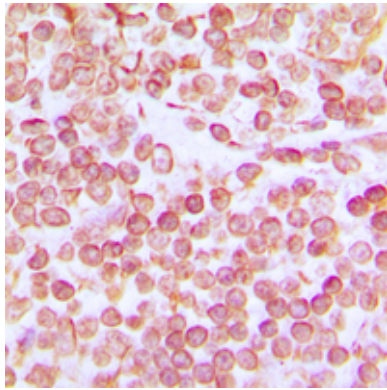
References

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.

Images



Western blot analysis of OCT1 expression in HeLa (A) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 95 kD)



Immunohistochemical analysis of OCT1 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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