# POU5F1 Antibody / OCT4 [clone OCT4/6847R] (V4000)

Catalog No.	Formulation	Size
V4000-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4000-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4000SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

#### Recombinant RABBIT MONOCLONAL

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	OCT4/6847R
Purity	Protein A/G affinity
UniProt	Q01860
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This POU5F1 antibody is available for research use only.



IHC staining of FFPE human seminoma tissue with OCT4 antibody (clone OCT4/6847R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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## Description

OCT4/POU5F1 is a member of the POU family of transcription factors, involved in the regulation of pluripotency during normal development and is detectable in embryonic stem and germ cells. It is a key regulator of self-renewal in embryonic stem cells; its expression is potentially correlated with tumorigenesis and can affect tumor recurrence or resistance to therapies. OCT4/POU5F1 is expressed in undifferentiated pluripotent cells, germ cells in ovary and testis.

## **Application Notes**

Optimal dilution of the POU5F1 antibody should be determined by the researcher.

### Immunogen

Recombinant fragment from the human protein was used as the immunogen for the POU5F1 antibody.

#### Storage

Aliquot the POU5F1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering:Phone:858.663.9055 | Fax:1.267.821.0800 | Email:info@nsjbio.com

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