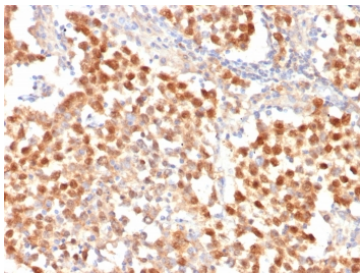
Octamer-binding protein 4 Antibody / OCT4 [clone OCT4/7347R] (V5151)

Catalog No.	Formulation	Size
V5151-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5151-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5151SAF-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
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	OCT4/7347R
Purity	Protein A/G affinity
UniProt	Q01860
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Octamer-binding protein 4 antibody is available for research use only.



IHC staining of FFPE human seminoma tissue with Octamer-binding protein 4 antibody (clone OCT4/7347R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

OCT4 (Octamer-binding protein 4) 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. OCT4 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 is expressed in undifferentiated pluripotent cells, germ cells in ovary and testes. OCT4 Ab is useful in the identification of primary as well as metastatic germ cell tumors.

Application Notes

Optimal dilution of the Octamer-binding protein 4 antibody should be determined by the researcher.

Immunogen

A recombinant fragment of the human protein was used as the immunogen for the Octamer-binding protein 4 antibody.

Storage

Aliquot the Octamer-binding protein 4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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