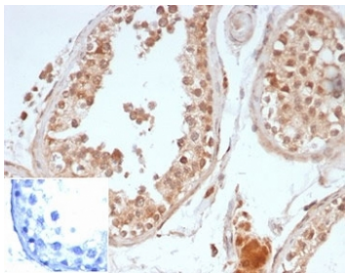
Recombinant Oct4 Antibody / POU5F1 [clone OCT4/6875R] (V9377)

Catalog No.	Formulation	Size
V9377-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9377-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9377SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

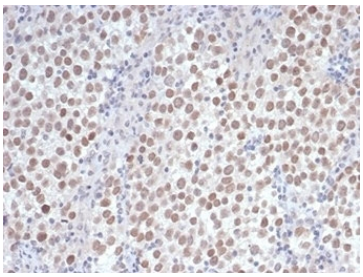
Recombinant RABBIT MONOCLONAL

Bulk quote request

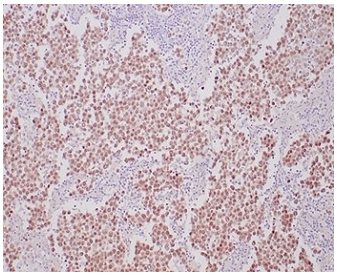
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	OCT4/6875R
Purity	Protein A/G affinity
UniProt	Q01860
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant Oct4 antibody is available for research use only.



IHC staining of FFPE human testis with recombinant Oct4 antibody (clone OCT4/6875R). Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human seminoma tissue with recombinant Oct4 antibody (clone OCT4/6875R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human seminoma tissue with recombinant Oct4 antibody (clone OCT4/6875R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

OCT4 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 recombinant antibody should be determined by the researcher.

Immunogen

A portion of amino acids1-134 was used as the immunogen for the recombinant Oct4 antibody.

Storage

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

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