

anti- OCT4 antibody

Product Information

Catalog No.:	FNab05963
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

This gene encodes a transcription factor containing a POU homeodomain that plays a key role in embryonic development and stem cell pluripotency. Aberrant expression of this gene in adult tissues is associated with tumorigenesis. This gene can participate in a translocation with the Ewing's sarcoma gene on chromosome 21, which also leads to tumor formation. Alternative splicing, as well as usage of alternative AUG and non-AUG translation initiation codons, results in multiple isoforms. One of the AUG start codons is polymorphic in human populations. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.

Immunogen information

Immunogen:	POU class 5 homeobox 1
Synonyms:	Oct 3, Oct 4, OCT3, OCT3/4, OCT4, Octamer binding protein 3, Octamer binding protein 4, OTF 3, OTF3, OTF4, POU class 5 homeobox 1, POU5F1
Observed MW:	50 kDa
Uniprot ID :	Q01860

Application

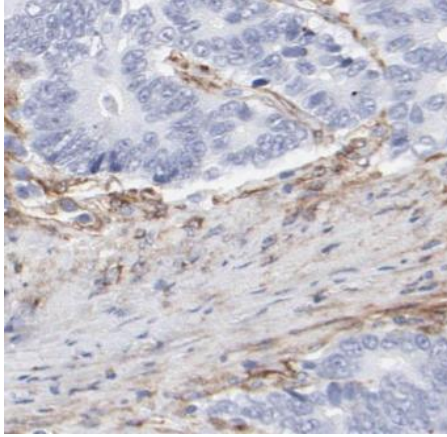
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF

Wuhan Fine Biotech Co., Ltd.

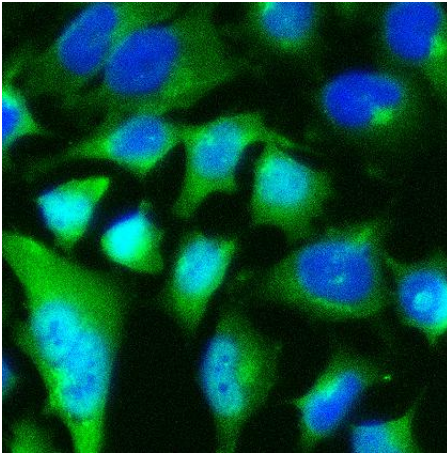
B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:50 - 1:200

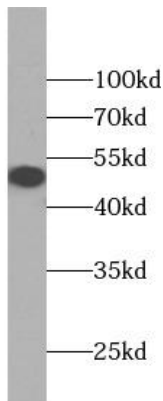
Image:



Immunohistochemistry of paraffin-embedded human colon cancer using FNab05963(OCT4 antibody) at dilution of 1:50



Immunofluorescent analysis of HeLa cells, using OCT4 antibody FNab05963 at 1:50 dilution.



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab05963(OCT4 Antibody) at dilution of 1:1000