

OCT4 Rabbit Polyclonal Antibody

Catalog No: #55373

Package Size: #55373-1 50ul #55373-2 100ul

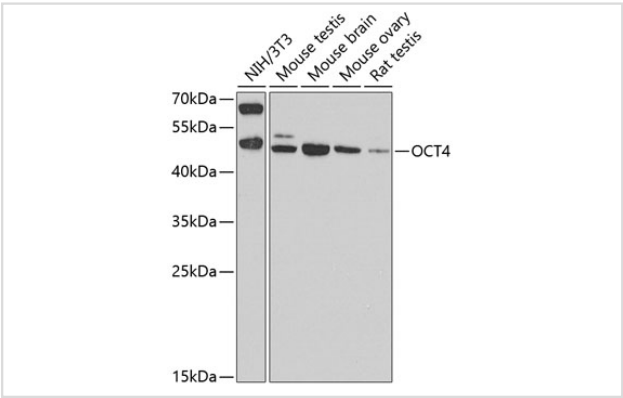
Description

Product Name	OCT4 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human OCT4
Conjugates	Unconjugated
Other Names	POU5F1;OCT3;OCT4;OTF-3;OTF3;OTF4;Oct-3;Oct-4
Accession No.	Swiss Prot:Q01860GeneID:5460
Calculated MW	30kDa/38kDa
SDS-PAGE MW	50kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

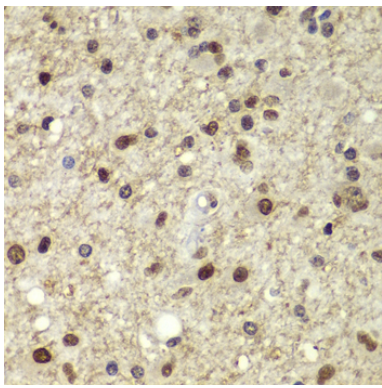
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using OCT4 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human brain cancer using OCT4 at dilution of 1:100 (40x lens).

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.