

POU5F1

Reactivity: Human Mouse Rat

Tested applications: WB IHC

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

Calculated MW: 39kDa

Observed MW: Refer to figures

Immunogen:

A synthetic peptide of human POU5F1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

jk

Synonym:

OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4;

Catalog #: A7920

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5460

Isotype: IgG

Swiss Prot: Q01860

Purity: Affinity purification

For research use only.

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.

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