

## POU5F1

**Reactivity:**Human Mouse

**Tested applications:**WB IHC

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

**Calculated MW:**38kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein 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 #:**A2777

**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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