
Product Information

Product SKU:	CAB7920	Gene ID:	5460	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human, Mouse

Additional Information

Observed MW:	45kDa	Conjugate:	Unconjugated
Calculated MW:	39kDa	Isotype:	IgG

Immunogen Information

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.
Recommended Dilution:	WB, 1:500 - 1:1000 IHC-P, 1:50 - 1:200
Synonyms:	OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4; Oct3/4
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 210-310 of human 4-oct (NP_002692.2).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.