Oct3/4 Antibody (F41526)

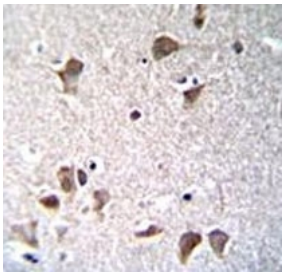
Catalog No.	Formulation	Size
F41526-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41526-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q01860
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This Oct3/4 antibody is available for research use only.



Oct3/4 antibody western blot analysis in MDA-MB231 lysate. Predicted molecular weight ~38/30kDa (isoform A/B).



Oct3/4 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.

Description

This gene encodes a transcription factor containing a POU homeodomain. This transcription factor plays a role in embryonic development, especially during early embryogenesis, and it is necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's sarcoma gene, t(6;22)(p21;q12), has been linked to tumor formation. Alternative splicing, as well as usage of alternative translation initiation codons, results in multiple isoforms, one of which initiates at a non-AUG (CUG) start codon. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.

Application Notes

Titration of the Oct3/4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 265-297 from the human protein was used as the immunogen for this Oct3/4 antibody.

Storage

Aliquot the Oct3/4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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