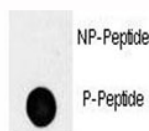


## Phospho-Oct4 Antibody (pS236) (F48631)

Catalog No.	Formulation	Size
F48631-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48631-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Bovine, Mouse, Pig
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q01860
<b>Applications</b>	Dot Blot : 1:500
<b>Limitations</b>	This phospho-Oct4 antibody is available for research use only.



Dot blot analysis of phospho-Oct4 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

## Description

OCT4 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 phospho-Oct4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This phospho-Oct4 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS236 of human OCT4.

## Storage

Aliquot the phospho-Oct4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.