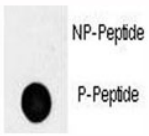
Phospho-Oct4 Antibody (pS236) (F48631)

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

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Mouse, Pig
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q01860
Applications	Dot blot: 1:500
Limitations	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.

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