

Product Name: Oct-4 (3F5) Mouse Monoclonal Antibody
Catalog #: AMM03422



Summary

Production Name	Oct-4 (3F5) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	Pou5F1
Alternative Names	Oct-4 (3F5); Oct3; Oct4; Otf3; Otf4; NF-A3; Oct-3; Oct-4; Otf-3; Otf-4; Otf3g; Oct3/4; Oct-3/4; Otf3-rs7.
Gene ID	18999.0
SwissProt ID	P20263.

Application

Dilution Ratio	WB: 1:500-1:1000
Molecular Weight	Calculated MW: 38 kDa; Observed MW: 45 kDa

Background

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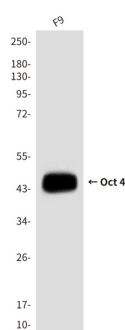


Transcription factor that binds to the octamer motif (5'-ATTGTCAT-3'). Forms a trimeric complex with SOX2 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem cell pluripotency.

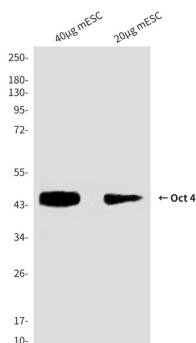
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of POU5F1/Oct-4 in F9 lysates using POU5F1/Oct-4 antibody.



Western blot analysis of Oct-4 (3F5) in 20ug and 40ug mESC lysates using POU5F1/Oct-4 antibody.

Note

For research use only.