

## POU5F1 / OCT4 monoclonal antibody

Catalog: MB0046

Host: Mouse

Reactivity: Mouse

### BackGround:

Transcription factor that binds to the octamer motif (5'-ATTTCAT-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.

### Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.

### Molecular Weight:

Predicted band size: 45KDa

Observed band size: 45KDa

### Swiss-Prot:

P20263

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000

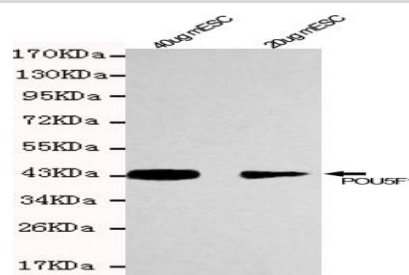
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

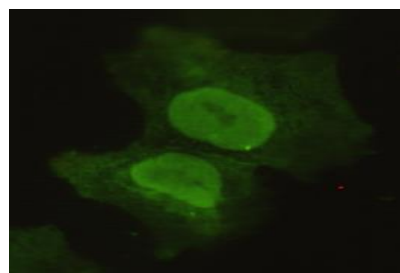
### Specificity:

This antibody detects endogenous levels of POU5F1/OCT4 and does not cross-react with related proteins.

### DATA:



Western blot detection of POU5F1 antibody in 20ug and 40ug mESC cell lysates using POU5F1 antibody (1:1000 diluted).



### Note:

For research use only, not for use in diagnostic procedure.

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