

45934 monoclonal antibody

Catalog: MB21255

Host: Mouse

Reactivity: Human

BackGround:

Members of Oct family of transcription factors specifically interact with Octamer motif ATGCAAAT, a regulatory element important for tissue- and cell-specific transcription as well as for transcription of a number of housekeeping genes. All of the members of the Oct family contain two highly conserved domains which are separated by 14-26 variable amino acids. These include the POU homeodomain and the POU-specific domain. Both are required for DNA binding and are involved in protein-protein interactions. Evidences indicate that regulation of Oct family transcription factors occurs at the level of phosphorylation. Oct4 is renowned as a transcription factor expressed by undifferentiated embryonic stem cells and embryonic germ cells.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

39kDa

Swiss-Prot:

Q01860

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immuno-

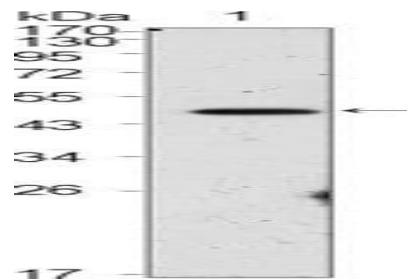
gen and the purity is > 95% (by SDS-PAGE).

Applications:**Storage&Stability:**

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

Isotype:

Mouse IgG1

DATA:

Western blot analysis using OCT4 mouse mAb against PMA treated HepG2 cell lysate (1).

Note:

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

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