

Product datasheet for **TA399872**

POU5F1 Mouse Monoclonal Antibody [Clone ID: 41B1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	41B1
Applications:	IHC, WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing mice with recombinant protein OCT3/4.
Specificity:	<p>The original antibody is specific for OCT3/4. OCT3/4 is a transcription factor that binds to the octamer motif (5'-ATTTGCAT-3'). It forms a trimeric complex with SOX2 or SOX15 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. It is critical for early embryogenesis and for embryonic stem cell pluripotency.</p> <p>The antibody 41B1 and the commercial antibody C-10 were used to stain collagen tumor, dysgerminoma and testicular tissue in immunohistochemistry. Results showed the antibody specificity is comparable to the commercial antibody. Further, the staining intensity of the antibody 41B1 was higher than the commercial antibody (CN113072642A).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Database Link:	Q01860
Synonyms:	C-10; CGMCC NO 20779; KS20.8; Oct-3; Oct-4; Oct4; Octamer-binding protein 3; Octamer-binding protein 4; Octamer-binding transcription factor 3; OTF-3; POU5F1; POU domain, class 5, transcription factor 1



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