

POU5F1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21115a

Product Information

Application	WB, E
Primary Accession	Q01860
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51467

Additional Information

Other Names	POU domain, class 5, transcription factor 1, Octamer-binding protein 3, Oct-3, Octamer-binding protein 4, Oct-4, Octamer-binding transcription factor 3, OTF-3, POU5F1, OCT3, OCT4, OTF3
Target/Specificity	This POU5F1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 291-324 amino acids from the C-terminal region of human POU5F1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	POU5F1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

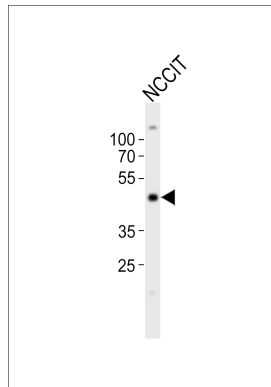
Background

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

References

Takeda J., et al. *Nucleic Acids Res.* 20:4613-4620(1992).
Stuart P.E., et al. *Tissue Antigens* 76:387-397(2010).
Shiina T., et al. *Genetics* 173:1555-1570(2006).
Shiina S., et al. Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Mungall A.J., et al. *Nature* 425:805-811(2003).

Images



Western blot analysis of lysate from NCCIT cell line, using POU5F1 Antibody (C-term)(Cat. #AP21115a). AP21115a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.