

Datasheet

POU5F1 polyclonal antibody

Catalog Number: PAB3868

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of POU5F1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human POU5F1.

Host: Rabbit

Reactivity: Human

Applications: IF, WB, WB-Ce

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein G purification

Recommend Usage: Immunofluorescence (1:50-100)

Western Blot (1:1000)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term

storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5460

Gene Symbol: POU5F1

Gene Alias: MGC22487, OCT3, OCT4, OTF3, OTF4

References:

1. Crystal structure of a POU/HMG/DNA ternary complex suggests differential assembly of Oct4 and Sox2 on two enhancers. Remenyi A, Lins K, Nissen LJ, Reinbold R, Scholer HR, Wilmanns M. *Genes Dev.* 2003 Aug

15;17(16):2048-59.

2. POU5F1 (OCT3/4) identifies cells with pluripotent potential in human germ cell tumors. Looijenga LH, Stoop H, de Leeuw HP, de Gouveia Brazao CA, Gillis AJ, van Roozendaal KE, van Zoelen EJ, Weber RF, Wolfenbittel KP, van Dekken H, Honecker F, Bokemeyer C, Perlman EJ, Schneider DT, Kononen J, Sauter G, Oosterhuis JW. *Cancer Res.* 2003 May 1;63(9):2244-50.

3. Formation of pluripotent stem cells in the mammalian embryo depends on the POU transcription factor Oct4. Nichols J, Zevnik B, Anastassiadis K, Niwa H, Klewe-Nebenius D, Chambers I, Scholer H, Smith A. *Cell.* 1998 Oct 30;95(3):379-91.