

## Datasheet

### POU5F1 polyclonal antibody

**Catalog Number:** PAB3870

**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 residues surrounding E125 of human POU5F1.

**Host:** Rabbit

**Reactivity:** Human

**Applications:** IF, 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:** Ammonium sulfate precipitation

**Recommend Usage:** Immunofluorescence (1:10-50)

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, Wolffenbuttel 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.