



## POU1F1 Antibody

CATALOG NUMBER: 27-336



Antibody used in WB on Human Jurkat 1  
ug/ml.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	POU1F1 antibody can be used for detection of POU1F1 by ELISA at 1:312500. POU1F1 antibody can be used for detection of POU1F1 by western blot at 1.0 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1205 - Jurkat Cell Lysate
<b>PREDICTED MOLECULAR WEIGHT:</b>	33 kDa
<b>IMMUNOGEN:</b>	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human POU1F1.
<b>HOST SPECIES:</b>	Rabbit

### Properties

<b>PURIFICATION:</b>	Antibody is purified by protein A chromatography method.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 100 uL of distilled water. Final antibody concentration is 1 mg/mL.
<b>CONCENTRATION:</b>	1 mg/ml
<b>STORAGE CONDITIONS:</b>	For short periods of storage (days) store at 4°C. For longer periods of storage, store POU1F1 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	POU1F1, PIT1, CPHD1, GHF-1, Pit-1, POU1F1a
<b>ACCESSION NO.:</b>	NP_000297
<b>PROTEIN GI NO.:</b>	4505955

**OFFICIAL SYMBOL:** POU1F1

**GENE ID:** 5449

### Background

**BACKGROUND:** PIT1 is a pituitary-specific transcription factor responsible for pituitary development and hormone expression in mammals and is a member of the POU family of transcription factors that regulate mammalian development. The POU family is so named because the first 3 members identified were PIT1 and OCT1 of mammals, and Unc-86 of *C. elegans*. PIT1 contains 2 protein domains, termed POU-specific and POU-homeo, which are both necessary for high affinity DNA binding on genes encoding growth hormone and prolactin. PIT1 is also important for regulation of the genes encoding prolactin and thyroid-stimulating hormone beta subunit by thyrotropin-releasing hormone and cyclic AMP.

**REFERENCES:** 1) Dattani, M.T. et al., (2003) Growth Horm. IGF Res. 16 (9), 1207-1209.

**FOR RESEARCH USE ONLY**

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