

# Zebrafish pou5f1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21659c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q90270</a>
<b>Reactivity</b>	Zebrafish
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB53205
<b>Calculated MW</b>	51505

## Additional Information

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<b>Gene ID</b>	30333
<b>Other Names</b>	POU domain, class 5, transcription factor 1, POU domain protein 2, pou5f1, gp-9, pou-2, pou2
<b>Target/Specificity</b>	This Zebrafish pou5f1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 107-132 amino acids from the Central region of Zebrafish pou5f1.
<b>Dilution</b>	WB~1:2000 E~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Zebrafish pou5f1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	pou5f1
<b>Synonyms</b>	gp-9, pou-2, pou2
<b>Function</b>	Involved in early development of embryos, especially in the process of gastrulation. May play an important role in establishing and specifying rhombomeric segments. Seems to be required to maintain the cells in a

highly undifferentiated state. In contrast to POU2, T-POU2 lacks DNA-binding activity because of its incomplete pou domain structure. Overexpression of POU2 does not have any effect on development, whereas overexpression of t-POU2 causes developmental retardation or arrest before gastrulation.

#### Cellular Location

Nucleus.

## Background

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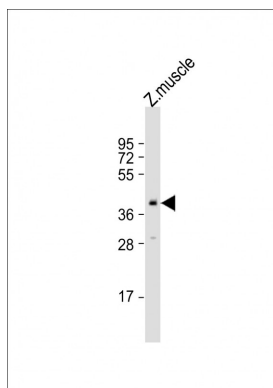
## References

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Takeda H., et al. *Genes Dev.* 8:45-59(1994).  
Hauptmann G., et al. *Mech. Dev.* 51:127-138(1995).

## Images

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Anti-Zebrafish pou5f1 Antibody (Center) at 1:2000 dilution + zebrafish muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

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