

Rabbit anti-Zebrafish pou5f1 Polyclonal Antibody | anti-pou5f1 antibody

Zebrafish pou5f1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290560	Rabbit	Zebrafish	ELISA, Western Blot

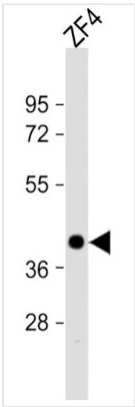
PRODUCT SYNONYMS

pou5f1; Polyclonal Antibody; Zebrafish pou5f1 Antibody (Center); Purified Rabbit Polyclonal Antibody (Pab); POU domain; class 5; transcription factor 1; POU domain protein 2; gp-9; pou-2; pou2; anti-pou5f1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Zebrafish
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Zebrafish pou5f1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 141-177 amino acids from the Central region of Zebrafish pou5f1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	472
Applicable Applications for anti-pou5f1 antibody	ELISA, WB (Western Blot)
Function	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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-pou5f1 Antibody (Center) at 1:2000 dilution + ZF4 whole cell lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa. Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Product Categories/Family for anti-pou5f1 antibody	Zebrafish
References	Takeda H., et al. Genes Dev. 8:45-59(1994). Hauptmann G., et al. Mech. Dev. 51:127-138(1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	18859249
NCBI GeneID	30333
NCBI Accession #	NP_571187.1
NCBI GenBank Nucleotide #	NM_131112.1
UniProt Accession #	Q90270; Q90483
Molecular Weight	51505
NCBI Official Full Name	POU domain, class 5, transcription factor 1
NCBI Official Synonym Full Names	POU domain, class 5, transcription factor 3
NCBI Official Symbol	pou5f3
NCBI Official Synonym Symbols	gp9; gp-9; oct4; pou2; POU-2; cb197; pou5f1; spg/pou2; chunp6868; wu:fd18d06
NCBI Protein Information	POU domain, class 5, transcription factor 1
UniProt Protein Name	POU domain, class 5, transcription factor 1
UniProt Gene Name	pou5f1
UniProt Synonym Gene Names	gp-9; pou-2; pou2
UniProt Entry Name	PO5F1_DANRE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.