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DANRE pou5f1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20644b

Product Information

Application	WB, E
Primary Accession	Q90270
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB46639
Calculated MW	51315

Additional Information

Gene ID	30333
Other Names	POU domain, class 5, transcription factor 1, POU domain protein 2, pou5f1, gp-9, pou-2, pou2
Target/Specificity	This DANRE pou5f1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 128-161 amino acids from the N-terminal region of human DANRE pou5f1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	DANRE pou5f1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	pou5f3
Synonyms	gp-9, pou-2, pou2, pou5f1
Function	Involved in early development of embryos, especially in the process of gastrulation (PubMed:8288127). Seems to be required to maintain cells in a highly undifferentiated state (PubMed:8288127). May play an important role

in establishing and specifying rhombomeric segments (PubMed:7669688).

Cellular Location Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000255|PROSITE-ProRule:PRU00530}

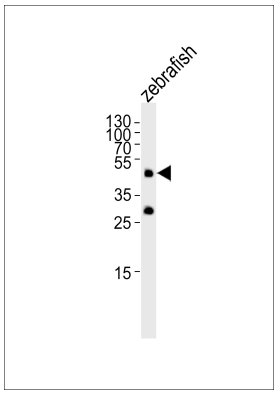
Background

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.

References

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

Images



Western blot analysis of lysate from zebrafish tissue lysate, using DANRE pou5f1 Antibody (N-term)(Cat. #AP20644b). AP20644b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

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