

DANRE pou5f1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20644b**Specification**

DANRE pou5f1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q90270
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51505
Antigen Region	128-161

DANRE pou5f1 Antibody (N-term) - 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.

DANRE pou5f1 Antibody (N-term) - Protein Information**Name** pou5f1**Synonyms** gp-9, pou-2, pou2

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

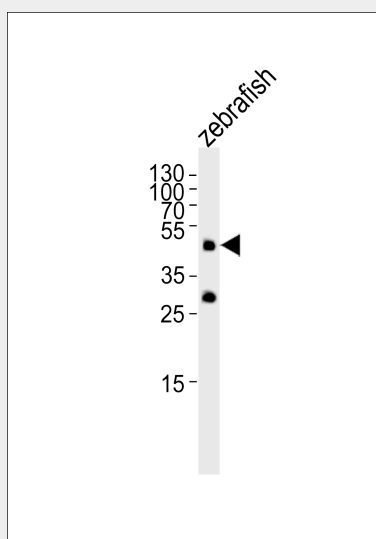
Nucleus.

DANRE pou5f1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DANRE pou5f1 Antibody (N-term) - 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.

DANRE pou5f1 Antibody (N-term) - 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.

DANRE pou5f1 Antibody (N-term) - References

Takeda H.,et al.Genes Dev. 8:45-59(1994).

Hauptmann G.,et al.Mech. Dev. 51:127-138(1995).