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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.

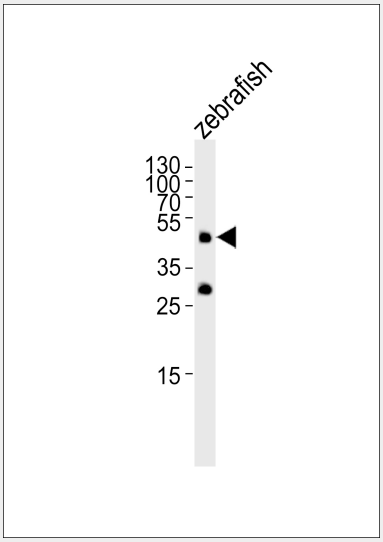
Cellular Location
Nucleus.

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 Cytomety
- 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.

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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).