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DANRE neurog1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # Azb10027b

Specification

DANRE neurog1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O42606
Reactivity	**Zebrafish**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**22911**
Antigen Region	**112-138**

DANRE neurog1 Antibody (Center) - Additional Information

Gene ID 30239

Other Names
Neurogenin-1, NGN-1, Neurogenic differentiation factor 3, NeuroD3, Neurogenin-related protein 1, neurog1, neurod3, ngn1, ngr1

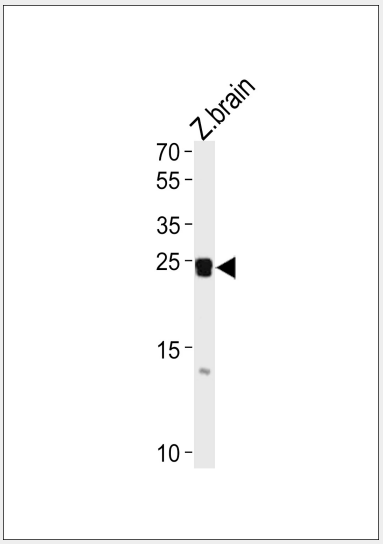
Target/Specificity
This DANRE neurog1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 112-138 amino acids from the Central region of DANRE neurog1.

Dilution
WB~~1:1000

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 neurog1 Antibody (Center) (Cat. #Azb10027b) western blot analysis in zebra fish brain tissue lysates (35ug/lane).This demonstrates the DANRE neurog1 antibody detected the DANRE neurog1 protein (arrow).

DANRE neurog1 Antibody (Center) - Background

Transcriptional regulator. Activates transcription by binding to the E box-containing promoter (By similarity). Mediates neuronal differentiation. Required for the development of Rohon-Beard spinal sensory neurons and dorsal root ganglion neurons, but not for primary motoneurons or autonomic neurons. Required for development of all cranial ganglia but not associated glial cells. Regulates epiphysial neurogenesis, acting partially redundantly with ascl1a and downstream of flh. Required for the development of basal forebrain dopaminergic neurons; involved in the specification of dopaminergic progenitor cells. May be involved in maintaining rhombomere boundaries in the hindbrain.

DANRE neurog1 Antibody (Center) -

DANRE neurog1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DANRE neurog1 Antibody (Center) - Protein Information

Name neurog1

Synonyms neurod3, ngn1, ngr1

Function
Transcriptional regulator. Activates transcription by binding to the E box-containing promoter (By similarity). Mediates neuronal differentiation. Required for the development of Rohon-Beard spinal sensory neurons and dorsal root ganglion neurons, but not for primary motoneurons or autonomic neurons. Required for development of all cranial ganglia but not associated glial cells. Regulates epiphysial neurogenesis, acting partially redundantly with ascl1a and downstream of flh. Required for the development of basal forebrain dopaminergic neurons; involved in the specification of dopaminergic progenitor cells. May be involved in maintaining rhombomere boundaries in the hindbrain.

Cellular Location
Nucleus.

Tissue Location
Embryonic nervous system. Expressed transiently in neurogenic placodes prior to delamination and formation of cranial ganglia. Expressed early (6-somite stage) in Rohon-Beard spinal sensory neurons and later in neural crest-derived dorsal root ganglion neurons At 24 hours post-fertilization (hpf), expressed in specific regions of the brain and spinal cord. In hindbrain, expressed in presumptive neuroblasts adjacent to the rhombomere boundaries. In basal forebrain, expressed in dopaminergic progenitor cells

DANRE neurog1 Antibody (Center) - Protocols

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

References

Blader P., et al. Development 124:4557-4569(1997).
Kim C.-H., et al. Neurosci. Lett. 239:113-116(1997).
Korzh V., et al. Dev. Dyn. 213:92-104(1998).
Thisse B., et al. Submitted (MAR-1997) to the EMBL/GenBank/DDBJ databases.
Cornell R.A., et al. Development 129:2639-2648(2002).

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture