

Datasheet for ABIN1881577

**anti-Neurogenin 1 antibody (AA 112-138)**[Go to Product page](#)**1** Image**3** Publications

## Overview

|                      |                                             |
|----------------------|---------------------------------------------|
| Quantity:            | 400 µL                                      |
| Target:              | Neurogenin 1 (NEUROG1)                      |
| Binding Specificity: | AA 112-138                                  |
| Reactivity:          | Zebrafish (Danio rerio)                     |
| Host:                | Rabbit                                      |
| Clonality:           | Polyclonal                                  |
| Conjugate:           | This Neurogenin 1 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                       |

## Product Details

|               |                                                                                                                                                                               |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | 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. |
| Isotype:      | Ig Fraction                                                                                                                                                                   |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                              |

## Target Details

|                   |                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Neurogenin 1 (NEUROG1)                                                                                                                                                                                                                                                                     |
| Alternative Name: | neurog1 ( <a href="#">NEUROG1 Products</a> )                                                                                                                                                                                                                                               |
| 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 |

## Target Details

autonomic neurons. Required for development of all cranial ganglia but not associated glial cells. Regulates epiphyseal 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.

Molecular Weight: 22911

NCBI Accession: [NP\\_571116](#)

UniProt: [O42606](#)

## Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months

## Publications

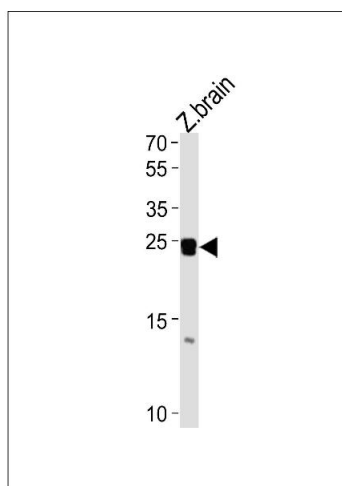
Product cited in: Korzh, Sleptsova, Liao, He, Gong: "Expression of zebrafish bHLH genes *ngn1* and *nrd* defines distinct stages of neural differentiation." in: **Developmental dynamics : an official publication of the American Association of Anatomists**, Vol. 213, Issue 1, pp. 92-104, (1999) ([PubMed](#)).

Kim, Bae, Yamanaka, Yamashita, Shimizu, Fujii, Park, Yeo, Huh, Hibi, Hirano: "Overexpression of neurogenin induces ectopic expression of HuC in zebrafish." in: **Neuroscience letters**, Vol. 239, Issue 2-3, pp. 113-6, (1998) ([PubMed](#)).

## Publications

Blader, Fischer, Gradwohl, Guillemot, Strähle: "The activity of neurogenin1 is controlled by local cues in the zebrafish embryo." in: **Development (Cambridge, England)**, Vol. 124, Issue 22, pp. 4557-69, (1998) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** DANRE neurog1 Antibody (Center) Azb10027b western blot analysis in zebra fish brain tissue lysates (35  $\mu$ g/lane). This demonstrates the DANRE neurog1 antibody detected the DANRE neurog1 protein (arrow).