Datasheet for ABIN1881577

anti-Neurogenin 1 antibody (AA 112-138)

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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 (NEUROG1 Products)
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 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.
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:	Sun, Sun, Chen, Liao, He, Wang, Chen, Hu, Qiu: "microRNA-27b shuttled by mesenchymal stem cell-derived exosomes prevents sepsis by targeting JMJD3 and downregulating NF-κB signaling pathway." in: **Stem cell research & therapy**, Vol. 12, Issue 1, pp. 14, (2021) (PubMed). Reithmair, Buschmann, Märte, Kirchner, Hagl, Kaufmann, Pfob, Chouker, Steinlein, Pfaffl, Schelling: "Cellular and extracellular miRNAs are blood-compartment-specific diagnostic targets in sepsis." in: **Journal of cellular and molecular medicine**, Vol. 21, Issue 10, pp. 2403-2411, (2018) (PubMed).

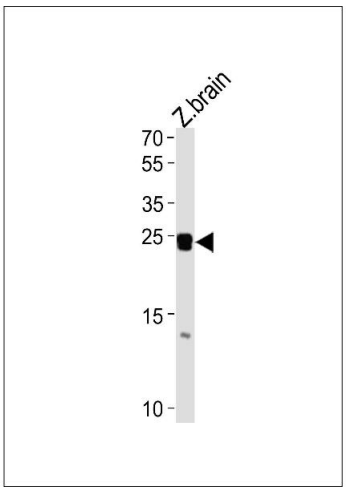
Publications

Youn, Friesen, Kishimoto, Henne, Kurat, Ye, Ceccarelli, Sicheri, Kohlwein, McMahon, Andrews: " Dissecting BAR domain function in the yeast Amphiphysins Rvs161 and Rvs167 during endocytosis." in: **Molecular biology of the cell**, Vol. 21, Issue 17, pp. 3054-69, (2010) (PubMed).

Qian, Shi, Pang, Wu, Yu, Li, Wang, Zhou: "[Identification and expression of two new secretory proteins associated with prostate cancer]." in: **Yi chuan = Hereditas / Zhongguo yi chuan xue hui bian ji**, Vol. 32, Issue 3, pp. 235-41, (2010) (PubMed).

Hwangbo, Kim, Lee, Lee: "Activation of the integrin effector kinase focal adhesion kinase in cancer cells is regulated by crosstalk between protein kinase Calpha and the PDZ adapter protein mda-9/Syntenin." in: **Cancer research**, Vol. 70, Issue 4, pp. 1645-55, (2010) (PubMed).

Images



Western Blotting

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