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Zebrafish SIM1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AZb12960a

Product Information

Application	WB, E
Primary Accession	F1QMF7
Other Accession	P05709, Q61045, P81133
Reactivity	Zebrafish
Predicted	Human, Mouse, Drosophila, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32160
Calculated MW	82919

Additional Information

Gene ID	260351
Other Names	Single-minded homolog 1;SIM1;BHLHE14;sim1a;Single-minded homolog 1-A
Target/Specificity	This Zebrafish SIM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of Zebrafish SIM1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	Zebrafish SIM1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	F1QMF7
Function	Transcriptional factor that may have pleiotropic effects during embryogenesis and in the adult.
Cellular Location	Nucleus {ECO:0000256|ARBA:ARBA00004123,

ECO:0000256|PROSITE-ProRule:PRU00632}

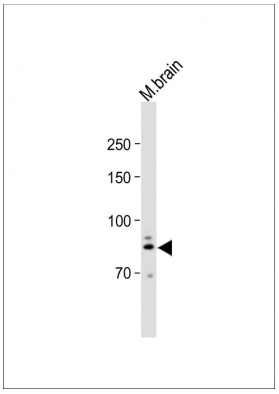
Background

SIM1 and SIM2 genes are Drosophila single-minded (sim) gene homologs. SIM1 transcript was detected only in fetal kidney out of various adult and fetal tissues tested. Since the sim gene plays an important role in Drosophila development and has peak levels of expression during the period of neurogenesis,it was proposed that the human SIM gene is a candidate for involvement in certain dysmorphic features (particularly the facial and skull characteristics), abnormalities of brain development, and/or mental retardation of Down syndrome.

References

Ghoussaini, M., et al. Obesity (Silver Spring) 18(8):1670-1675(2010) Tolson, K.P., et al. J. Neurosci. 30(10):3803-3812(2010) Traurig, M., et al. Diabetes 58(7):1682-1689(2009) Gregorio, S.P., et al. Psychiatry Res 165 (1-2), 1-9 (2009) : Hung, C.C., et al. Int J Obes (Lond) 31(3):429-434(2007)

Images



All lanes: Anti-Zebrafish SIM1 Antibody (N-term) at 1:250 dilution + Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 83 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.