

# Zebrafish SIM1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AZb12960a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">F1QMF7</a>
Other Accession	<a href="#">P05709</a> , <a href="#">Q61045</a> , <a href="#">P81133</a>
Reactivity	Zebrafish
Predicted	Human, Mouse, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32160
Calculated MW	82919

## Additional Information

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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

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

## Background

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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.

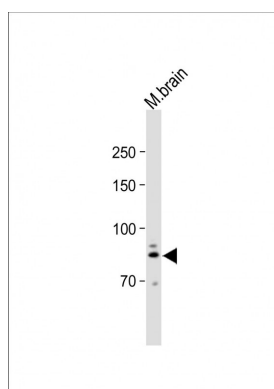
## References

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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

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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'.