

Rabbit SIM1 Polyclonal Antibody | anti-SIM1 antibody

SIM1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289942	Rabbit	Human (Predicted Reactivity: Mouse, Drosophila)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

SIM1; Polyclonal Antibody; SIM1 Antibody (N-term); Single-minded homolog 1; Class E basic helix-loop-helix protein 14; bHLHe14; BHLHE14; anti-SIM1 antibody

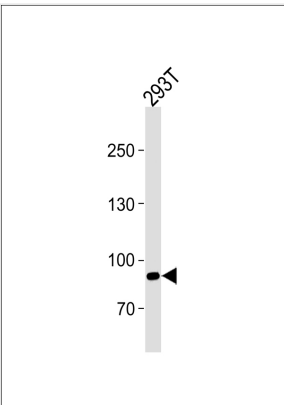
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Drosophila)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SIM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SIM1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	766
Applicable Applications for anti-SIM1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
SIM1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SIM1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysate from 293T cell line, using SIM1 Antibody (N-term). AAA289942 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-SIM1 antibody	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.
Product Categories/Family for anti-SIM1 antibody	Crown Antibodies; Neuroscience
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21614542
NCBI GeneID	6492
NCBI Accession #	NP_005059.2
NCBI GenBank Nucleotide #	NM_005068.2
UniProt Accession #	P81133; Q5TDP7
Molecular Weight	85515
NCBI Official Full Name	single-minded homolog 1
NCBI Official Synonym Full Names	single-minded family bHLH transcription factor 1
NCBI Official Symbol	SIM1
NCBI Official Synonym Symbols	bHLHe14
NCBI Protein Information	single-minded homolog 1

UniProt Protein Name	Single-minded homolog 1
UniProt Gene Name	SIM1
UniProt Synonym Gene Names	BHLHE14; bHLHe14
UniProt Entry Name	SIM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sim1-antibody-western-blot-immunohistochemistry-elisa/289942>