

Rabbit SIM1 Polyclonal Antibody | anti-SIM1 antibody

SIM1 Antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197557	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Immunohistochemistry

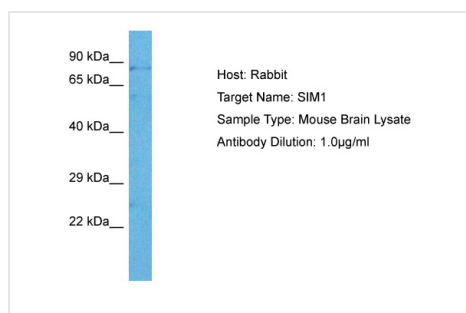
PRODUCT SYNONYMS

SIM1; Polyclonal Antibody; SIM1 Antibody - middle region; anti-SIM1 antibody

PRODUCT SPECIFICATIONS

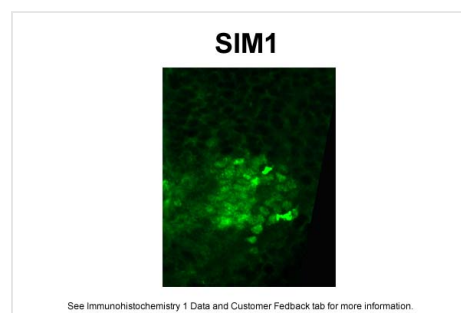
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: SS SKSKSRTSPY PQYSGFHTER SESDHDSQWG GSPLTDTASP QLLDPADR
Sequence Length	766
Applicable Applications for anti-SIM1 antibody	IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of Human SIM1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Host: Rabbit Target Name: SIM1 Sample Tissue: Mouse Brain Antibody Dilution: 1 µg/ml



IHC (Immunohistochemistry)

Mouse embryonic spinal cord- embryonic day 15

ADDITIONAL INFORMATION

Related Product Information for anti-SIM1 antibody	This is a rabbit polyclonal antibody against SIM1. It was validated on Western Blot Target Description: 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	Polyclonal ; Transcription Factor ; Developmental Biology ; Neuroscience ; Disease Related ; Tissue Specific & Cell Marker ; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	21614542
NCBI GeneID	6492
NCBI Accession #	NP_005059
NCBI GenBank Nucleotide #	NM_005068
UniProt Accession #	P81133
Molecular Weight	85kDa
NCBI Official Full Name	single-minded homolog 1
NCBI Official Synonym Full Names	SIM 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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sim1-antibody-immunohistochemistry-elisa/197557>