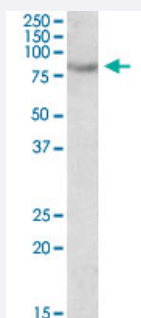


# SIM2 polyclonal antibody

Catalog # PAB18984

Size 100 ug

## Applications



### Western Blot (Tissue lysate)

SIM2 polyclonal antibody (Cat # PAB18984, 0.5 ug/mL) staining of fetal mouse kidney lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of SIM2.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at internal region of human SIM2.
<b>Sequence</b>	C-SDLLYTPSYS
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	80
<b>Reactivity</b>	Human, Mouse
<b>Specificity</b>	This antibody is expected to recognize all reported isoforms (NP_005060.1; NP_033664.2).
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Recommend Usage</b>	ELISA (1:1000) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.

<b>Storage Buffer</b>	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SIM2

<b>Entrez GeneID</b>	<a href="#">6493</a>
<b>Protein Accession#</b>	<a href="#">NP_005060.1;NP_033664.2</a>
<b>Gene Name</b>	SIM2
<b>Gene Alias</b>	MGC119447, SIM, bHLHe15
<b>Gene Description</b>	single-minded homolog 2 (Drosophila)
<b>Omim ID</b>	<a href="#">600892</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	SIM1 and SIM2 genes are Drosophila single-minded (sim) gene homologs. The Drosophila sim gene encodes a transcription factor that is a master regulator of fruit fly neurogenesis. SIM2 maps within the so-called Down syndrome chromosomal region. Based on the mapping position, its potential function as transcriptional repressor and similarity to Drosophila sim, it is proposed that SIM2 may contribute to some specific Down syndrome phenotypes [provided by RefSeq]
<b>Other Designations</b>	single-minded homolog 2 single-minded homolog 2, short isoform transcription factor SIM2

## Disease

- [Genetic Predisposition to Disease](#)

- [Scoliosis](#)