



# SIM1 rabbit pAb

Cat No.:ES13102

For research use only

## Overview

<b>Product Name</b>	SIM1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB
<b>Species Cross-Reactivity</b>	Human; Mouse
<b>Recommended dilutions</b>	WB 1:500-2000
<b>Immunogen</b>	Synthesized peptide derived from human SIM1 AA range: 545-595
<b>Specificity</b>	This antibody detects endogenous levels of SIM1 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	SIM1
<b>Gene Name</b>	SIM1 BHLHE14
<b>Cellular localization</b>	Nucleus .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	85kD
<b>Human Gene ID</b>	6492
<b>Human Swiss-Prot Number</b>	P81133
<b>Alternative Names</b>	Single-minded homolog 1 (Class E basic helix-loop-helix protein 14) (bHLHe14)
<b>Background</b>	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

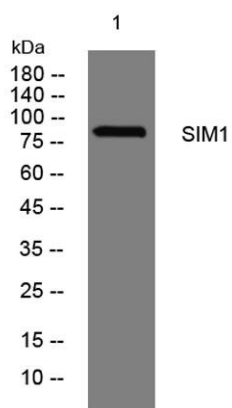




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dysmorphic features (particularly the facial and skull characteristics), abnormalities of brain development, and/or mental retardation of Down syndrome. [provided by RefSeq, Jul 2008],

Western blot analysis of lysates from A549 cells, primary antibody was diluted at 1:1000, 4° over night



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