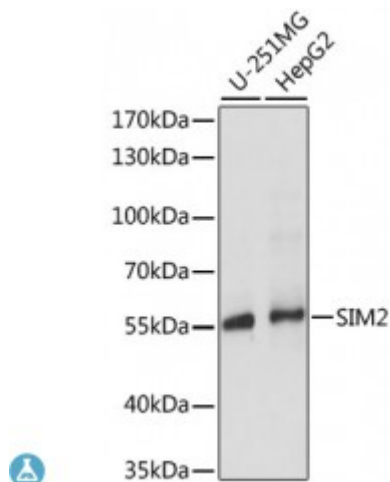


Anti-SIM2 Antibody



Description

This gene represents a homolog of the *Drosophila* single-minded (*sim*) gene, which encodes a transcription factor that is a master regulator of neurogenesis. The encoded protein is ubiquitinated by RING-IBR-RING-type E3 ubiquitin ligases, including the parkin RBR E3 ubiquitin protein ligase. This gene maps within the so-called Down syndrome chromosomal region, and is thus thought to contribute to some specific Down syndrome phenotypes. Alternative splicing of this gene results in multiple transcript variants.

Model	STJ117292
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 342-525 of human SIM2 (NP_033664.2).
Gene ID	6493
Gene Symbol	SIM2
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Single-minded homolog 2 Class E basic helix-loop-helix protein 15 bHLHe15
Molecular Weight	73.219 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:10883 OMIM:600892
Alternative Names	Single-minded homolog 2 Class E basic helix-loop-helix protein 15 bHLHe15
Function	Transcription factor that may be a master gene of CNS development in cooperation with Arnt, It may have pleiotropic effects in the tissues expressed during development
Cellular Localization	Nucleus

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