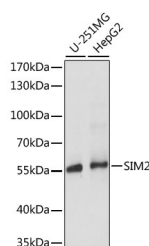


## SIM2 Polyclonal Antibody

<b>Catalog No.</b>	E-AB-65198	<b>Reactivity</b>	H
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Western blot analysis of extracts of various cell lines using SIM2 Polyclonal Antibody at dilution of 1:1000.

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein of human SIM2 (NP_033664.2).
<b>GeneID</b>	6493
<b>Swissprot</b>	Q14190
<b>Synonyms</b>	SIM2,HMC13F06,HMC29C01,SIM,bHLHe15

### Product Information

<b>Calculated MW</b>	63kDa/73kDa
<b>Observed MW</b>	56kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000

### Background

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.

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.