

Datasheet for ABIN2780639 anti-SIM2 antibody (N-Term)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	SIM2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIM2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SIM2
Sequence:	MKEKSKNAAK TRREKENGFE YELAKLLPLP SAITSQLDKA SIIRLTTSYL
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against SIM2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SIM2
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Target Details

Alternative Name:	SIM2 (SIM2 Products)
Background:	<p>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 t</p> <p>Alias Symbols: MGC119447, SIM, bHLHe15, HMC13F06, HMC29C01</p> <p>Protein Interaction Partner: Dlg4, HSP90AA1, ARIH1, UBC, PARK2, ARNT, ARNT2, EPO,</p> <p>Protein Size: 667</p>
Molecular Weight:	73 kDa
Gene ID:	6493
NCBI Accession:	NM_005069 , NP_005060
UniProt:	Q14190

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 667 AA
Restrictions:	For Research Use only

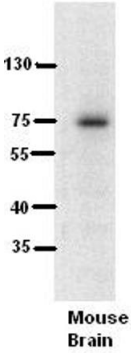
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Spellman, Ahmed, Dubach, Gardiner: "Expression of trisomic proteins in Down syndrome model systems." in: **Gene**, Vol. 512, Issue 2, pp. 219-25, (2012) ([PubMed](#)).

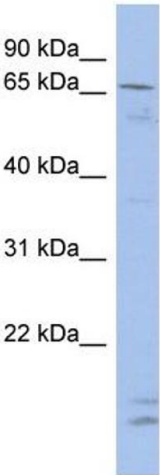
Images



(ARP38551_P050)
SIM2
Western Blot
Mouse Brain
Dilution: 1 to 500
5% Milk
Application data in forum

Submitted by:
Katheleen Gardiner
University of Colorado Denver

Image 1.



Western Blotting

Image 2. WB Suggested Anti-SIM2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human kidney