

Datasheet for ABIN6945098  
**anti-SUN1 antibody**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	SUN1
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SUN1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein corresponding to C-terminal human SUN1.
Clone:	2C4
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	SUN1
Alternative Name:	SUN1 ( <a href="#">SUN1 Products</a> )

## Target Details

Background:	<p>Synonyms: SUN domain-containing protein 1, Protein unc-84 homolog A, Sad1/unc-84 protein-like 1, SUN1, KIAA0810, UNC84A</p> <p>Background: As a component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. Required for interkinetic nuclear migration (INM) and essential for nucleokinesis and centrosome-nucleus coupling during radial neuronal migration in the cerebral cortex and during glial migration. Involved in telomere attachment to nuclear envelope in the prophase of meiosis implicating a SUN1/2:KASH5 LINC complex in which SUN1 and SUN2 seem to act at least partial redundantly. Required for gametogenesis and involved in selective gene expression of coding and non-coding RNAs needed for gametogenesis. Helps to define the distribution of nuclear pore complexes (NPCs). Required for efficient localization of SYNE4 in the nuclear envelope. May be involved in nuclear remodeling during sperm head formation in spermatogenesis. May play a role in DNA repair by suppressing non-homologous end joining repair to facilitate the repair of DNA cross-links.</p>
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Gene ID:	23353
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UniProt:	<a href="#">O94901</a>
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Pathways:	<a href="#">Maintenance of Protein Location</a>
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## Application Details

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400 IF(IHC-P) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
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## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months