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Datasheet for ABIN1881369 anti-GEMIN4 antibody (N-Term)

1 Image

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Overview

Quantity:	400 µL
Target:	GEMIN4
Binding Specificity:	AA 273-301, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GEMIN4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This GEMIN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-301 amino acids from the N-terminal region of human GEMIN4.
Clone:	RB41821
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GEMIN4
Alternative Name:	GEMIN4 (GEMIN4 Products)
Background:	The product of this gene is part of a large complex localized to the cytoplasm, nucleoli, and to

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Target Details

	discrete nuclear bodies called Gemini bodies (gems). The complex functions in spliceosomal
	snRNP assembly in the cytoplasm, and regenerates spliceosomes required for pre-mRNA
	splicing in the nucleus. The encoded protein directly interacts with a DEAD box protein and
	several spliceosome core proteins. Alternatively spliced transcript variants have been
	described, but their biological validity has not been determined.
Molecular Weight:	120037
NCBI Accession:	NP_056536
UniProt:	P57678
Pathways:	Ribonucleoprotein Complex Subunit Organization
Application Details	
Application Notes:	WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months
Publications	
Product cited in:	Hyrskyluoto, Bruelle, Lundh, Do, Kivinen, Rappou, Reijonen, Waltimo, Petersén, Lindholm, Korhonen: "Ubiquitin-specific protease-14 reduces cellular aggregates and protects against
	mutant huntingtin-induced cell degeneration: involvement of the proteasome and ER stress-
	activated kinase IRE1?." in: Human molecular genetics , Vol. 23, Issue 22, pp. 5928-39, (2014) (
	PubMed).

Davila, Froeling, Tan, Bonnard, Boland, Snippe, Hibberd, Seielstad: "New genetic associations

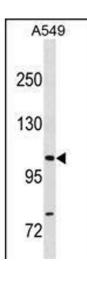
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN1881369 | 09/11/2023 | Copyright antibodies-online. All rights reserved. detected in a host response study to hepatitis B vaccine." in: **Genes and immunity**, Vol. 11, Issue 3, pp. 232-8, (2010) (PubMed).

Chen, Qin, Li, Walters, Wilson, Mei, Wilson: "The proteasome-associated deubiquitinating enzyme Usp14 is essential for the maintenance of synaptic ubiquitin levels and the development of neuromuscular junctions." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 29, Issue 35, pp. 10909-19, (2009) (PubMed).

Nagai, Kadowaki, Maruyama, Takeda, Nishitoh, Ichijo: "USP14 inhibits ER-associated degradation via interaction with IRE1alpha." in: **Biochemical and biophysical research communications**, Vol. 379, Issue 4, pp. 995-1000, (2009) (PubMed).

Mines, Goodwin, Limbird, Cui, Fan: "Deubiquitination of CXCR4 by USP14 is critical for both CXCL12-induced CXCR4 degradation and chemotaxis but not ERK ativation." in: **The Journal of biological chemistry**, Vol. 284, Issue 9, pp. 5742-52, (2009) (PubMed).

Images



Western Blotting

Image 1. GEMIN4 Antibody (N-term) (ABIN1881369 and ABIN2839038) western blot analysis in A549 cell line lysates (35 µg/lane).This demonstrates the GEMIN4 antibody detected the GEMIN4 protein (arrow).

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