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## Datasheet for ABIN1881767 anti-RRM1 antibody (N-Term)

1 Image

2 Publications



#### Overview

Quantity:	400 µL
Target:	RRM1
Binding Specificity:	AA 71-100, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRM1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This RRM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-100 amino acids from the N-terminal region of human RRM1.
Clone:	RB42407
Isotype:	Ig Fraction
Predicted Reactivity:	Μ
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

Target:	RRM1
Alternative Name:	RRM1 (RRM1 Products)

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#### Target Details

Background:	This gene encodes one of two non-identical subunits that constitute ribonucleoside-
	diphosphate reductase, an enzyme essential for the production of deoxyribonucleotides prior to
	DNA synthesis in S phase of dividing cells. It is one of several genes located in the imprinted
	gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region
	have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor,
	rhabdomyosarcoma, adrenocrotical carcinoma, and lung, ovarian, and breast cancer. This gene
	may play a role in malignancies and disease that involve this region.
Molecular Weight:	90070
NCBI Accession:	NP_001024
UniProt:	P23921
Pathways:	Positive Regulation of Endopeptidase Activity

#### 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:Mehta, Vazquez, Kulkarni, Kerrigan, Atwal, Metsugi, Toppmeyer, Levine, Hirshfield: "Polymorphic<br/>variants in TSC1 and TSC2 and their association with breast cancer phenotypes." in: Breast<br/>cancer research and treatment, Vol. 125, Issue 3, pp. 861-8, (2011) (PubMed).

Hoogeveen-Westerveld, Exalto, Maat-Kievit, van den Ouweland, Halley, Nellist: "Analysis of TSC1

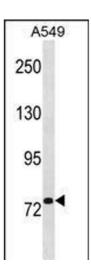
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN1881767 | 09/11/2023 | Copyright antibodies-online. All rights reserved. truncations defines regions involved in TSC1 stability, aggregation and interaction." in: **Biochimica et biophysica acta**, Vol. 1802, Issue 9, pp. 774-81, (2010) (PubMed).

Mieulet, Lamb: "Tuberous sclerosis complex: linking cancer to metabolism." in: **Trends in molecular medicine**, Vol. 16, Issue 7, pp. 329-35, (2010) (PubMed).

Guo, Ying, Zhang, Yuan, Qian, Wang, Yang, He: "Tandem affinity purification and identification of the human TSC1 protein complex." in: **Acta biochimica et biophysica Sinica**, Vol. 42, Issue 4, pp. 266-73, (2010) (PubMed).

Liu, Wu, Chen, Ter-Minassian, Asomaning, Zhai, Wang, Su, Heist, Kulke, Lin, Liu, Christiani: "A Large-scale genetic association study of esophageal adenocarcinoma risk." in: **Carcinogenesis**, Vol. 31, Issue 7, pp. 1259-63, (2010) (PubMed).

Images



#### Western Blotting

**Image 1.** RRM1 Antibody (N-term) (ABIN1881767 and ABIN2838965) western blot analysis in A549 cell line lysates (35 µg/lane).This demonstrates the RRM1 antibody detected the RRM1 protein (arrow).

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