

Datasheet for ABIN2779118

anti-RG9MTD1 antibody (Middle Region)



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1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	RG9MTD1
Binding Specificity:	Middle Region
Reactivity:	Human, Rabbit, Mouse, Rat, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RG9MTD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RG9MTD1
Sequence:	MKRKELQNTV SQLLESEGWN RRNVDPFHIY FCNLKIDGAL HRELVKRYQE
Predicted Reactivity:	Cow: 86%, Dog: 79%, Guinea Pig: 92%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against RG9MTD1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RG9MTD1
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Target Details

Alternative Name:	RG9MTD1 (RG9MTD1 Products)
Background:	<p>RG9MTD1 functions in mitochondrial tRNA maturation. Part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/RG9MTD1, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends.</p> <p>Alias Symbols: FLJ20432, MRPP1, RG9MTD1</p> <p>Protein Interaction Partner: CEP76, CEP57, TP53, SUMO2, SUMO3, GRSF1, UBC, ASB1, UBD, CAND1, CUL3, HDGF, USP39,</p> <p>Protein Size: 403</p>
Molecular Weight:	47 kDa
Gene ID:	54931
NCBI Accession:	NM_017819 , NP_060289
UniProt:	Q7L0Y3

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 403 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: Huang, Chen, Wu, Huang, He, Tang, Wang, Wang: "The zebrafish miR-462/miR-731 cluster is induced under hypoxic stress via hypoxia-inducible factor 1α and functions in cellular adaptations." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 29, Issue 12, pp. 4901-13, (2015) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-RG9MTD1 Antibody Titration:
0.2-1 ug/ml Positive Control: Hela cell lysate