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Datasheet for ABIN6719656 **anti-RMI2 antibody**

Overview

Quantity:	100 µg
Target:	RMI2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for RMI2 detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence of human RMI2(KMTDLSNPIHESMWELEVEDLHRNIP).
Sequence:	KMTDLSNPI HESMWELEVE DLHRNIP
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for RMI2 detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	RMI2
Alternative Name:	RMI2 (RMI2 Products)

Target Details

Background:	<p>Synonyms: RecQ-mediated genome instability protein 2, hRMI2, BLM-associated protein of 18 kDa, BLAP18, RMI2, C16orf75</p> <p>Background: RMI2 is a component of the BLM (RECQL3) complex, which plays a role in homologous recombination-dependent DNA repair and is essential for genome stability. This gene is mapped to 16p13.13. RMI1 and RMI2 were present in approximately stoichiometric amounts with other BLM complex components, including topoisomerase-3-alpha (TOP3A), RPA (see RPA1), and BLAP250. RMI2 also associated with RMI1 and TOP3A in a second complex. RMI1 and RMI2 interacted directly, and both were essential for stability of the BLM complex. Depletion of either RMI1 or RMI2 depleted the other protein by 80 to 90 % . Chicken DT40 cells depleted of Rmi2 displayed elevated sister chromatid exchange, but other functions of the BLM complex appeared intact. Mutation analysis revealed that interaction between human RMI2 and BLM was essential for suppression of sister chromatid exchange.</p>
Gene ID:	116028
UniProt:	Q96E14
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Application details: Western blot 0.1-0.5 µg/mL Immunohistochemistry(Paraffin-embedded Section) 0.5-1 µg/mL
Comment:	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.