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Datasheet for ABIN129646

anti-RIF1 antibody (AA 2406-2419)





Publication



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Overview		
Quantity:	100 μg	
Target:	RIF1	
Binding Specificity:	AA 2406-2419	
Reactivity:	Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This RIF1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA	
Product Details		
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated	
	immunizations with a synthetic peptide corresponding amino acids 2406-2419 of Mouse Rif1.	
Isotype:	IgG	
Characteristics:	Concentration Definition: by UV absorbance at 280 nm	
Target Details		
Target:	RIF1	
Alternative Name:	Rif1 (RIF1 Products)	
Background:	Rif1 (also known as telomere-associated protein RIF1 and Rap1-interacting factor 1) is a mouse	
	ortholog of the yeast Rif1 family of telomere-associated proteins identified on the basis of its	
	high expression in primordial germ cells and embryo-derived pluripotent stem cell lines. Mouse	

Rif1 is a protein involved in negative regulation of telomere length. It is also localized to ATM dependent DNA damage foci and may act at the chromatin level to allow access to some factors.

Synonyms: DKFZp781N1478 antibody, FLJ10599 antibody, FLJ11269 antibody, FLJ12870 antibody, Rap1 interacting factor 1 antibody, Rap1 interacting factor 1 homolog antibody, RAP1 interacting factor homolog antibody

Gene ID: 51869, 68565756

UniProt: Q6PR54

Pathways: Stem Cell Maintenance

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and by western blot. Specific

conditions for reactivity should be optimized by the end user. Expect a band approximately 265

kDa in size corresponding to Rif1 by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1.6 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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: -20 °C

Publications

Product cited in:

Yasunaga, Ohtsubo, Ohno, Saeki, Kurogi, Tanaka-Okamoto, Ishizaki, Shirai, Mihara, Brock, Miyoshi, Takihara: "Scmh1 has E3 ubiquitin ligase activity for geminin and histone H2A and regulates geminin stability directly or indirectly via transcriptional repression of Hoxa9 and Hoxb4." in: **Molecular and cellular biology**, Vol. 33, Issue 4, pp. 644-60, (2013) (PubMed).



Western Blotting

Image 1. Western blot using Affinity Purified anti-Rif1 antibody shows detection of a band ~265 kDa corresponding to mouse Rif1 (arrowhead). Specific reactivity with this band is blocked when the antibody is preincubated with the immunizing peptide (data not shown). Approximately 25 ug of MEF whole cell lysate was separated by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1.0?ug/ml for 2 h at room temperature followed by washes and reaction with a 1:10,000 dilution of800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature. IRDye800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.