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(Mouse) Rybp Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21378c

Product Information

Application	WB, E
Primary Accession	Q8CCI5
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52433
Calculated MW	24777

Additional Information

Gene ID	56353
Other Names	RING1 and YY1-binding protein, Death effector domain-associated factor, DED-associated factor, Rybp, Dedaf
Target/Specificity	This Mouse Rybp antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 131-165 amino acids from the Central region of Mouse Rybp.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(Mouse) Rybp Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Rybp
Synonyms	Dedaf
Function	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of

	many genes, including Hox genes, throughout development. PcG PRC1-like complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility (PubMed:22325148, PubMed:28596365). Component of a PRC1-like complex that mediates monoubiquitination of histone H2A 'Lys-119' on the X chromosome and is required for normal silencing of one copy of the X chromosome in XX females (PubMed:28596365). May stimulate ubiquitination of histone H2A 'Lys-119' by recruiting the complex to target sites (PubMed:22325148, PubMed:28596365). Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes (By similarity). May also regulate the ubiquitin-mediated proteasomal degradation of other proteins like FANK1 to regulate apoptosis (PubMed:17874297). May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1 (By similarity). May bind to DNA (PubMed:19170609). May play a role in the repression of tumor growth and metastasis in breast cancer by down-regulating SRRM3 (PubMed:27748911).
Cellular Location	Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q8N488}. Nucleus, nucleoplasm. Note=Primarily found in the nucleus Detected in a punctate pattern likely to represent Polycomb group (PcG) bodies.
Tissue Location	Expressed in embryonic stem cells.

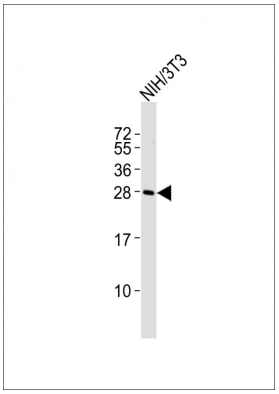
Background

Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes. May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1. May bind to DNA. Promotes apoptosis (By similarity).

References

Carninci P.,et al.Science 309:1559-1563(2005).
Garcia E.,et al.EMBO J. 18:3404-3418(1999).
Danen-van Oorschot A.A.M.M.,et al.Cell Death Differ. 11:564-573(2004).
Pirity M.K.,et al.Mol. Cell. Biol. 25:7193-7202(2005).
Arrigoni R.,et al.FEBS Lett. 580:6233-6241(2006).

Images



Anti-Rybp Antibody (Center)at 1:2000 dilution + NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.