

(Mouse) Rybp Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21378c

Product Information

Application	WB, E
Primary Accession	Q8CC15
Reactivity	Human, Mouse
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.

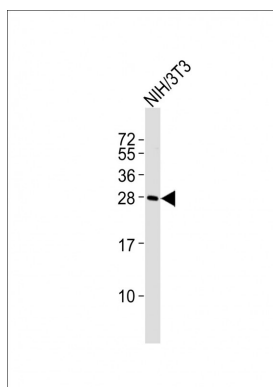
Background

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.