

RYBP Polyclonal Antibody

Catalog Number PA1-26492

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	0.5-4 µg/mL
Immunogen	Synthetic peptide surrounding amino acid 218 of human DEDAF	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

PA1-26492 detects DEDAF from human, mouse, and rat samples.

Background/Target Information

RYBP involves 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. 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. May stimulate ubiquitination of histone H2A 'Lys-119' by recruiting the complex to target sites. Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes. May also regulate the ubiquitin-mediated proteasomal degradation of other proteins like FANK1 to regulate apoptosis. May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1. May bind to DNA. May play a role in the repression of tumor growth and metastasis in breast cancer by down-regulating SRRM3.

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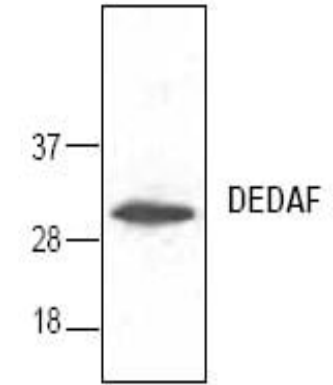
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Product Images For RYBP Polyclonal Antibody

RYBP Antibody (PA1-26492) in WB

Western Blot analysis of RYBP was performed by loading HepG2 cell lysate. Proteins were transferred to a membrane and probed with a RYBP Polyclonal Antibody (Product # PA1-26492).



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