

RYBP Antibody (aa215-228)
Rabbit Polyclonal Antibody
Catalog # ALS11437**Specification**

RYBP Antibody (aa215-228) - Product Information

Application	IF, WB, IHC
Primary Accession	Q8N488
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

RYBP Antibody (aa215-228) - Additional Information**Gene ID** 23429**Other Names**

RING1 and YY1-binding protein, Apoptin-associating protein 1, APAP-1, Death effector domain-associated factor, DED-associated factor, YY1 and E4TF1-associated factor 1, RYBP, DEDAF, YEAF1

Target/Specificity

synthetic peptide (TPKGDMSAVNDESF) corresponding to amino acids 215 to 228 of human DEDAF. The sequence is identical to that of mouse origin.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

RYBP Antibody (aa215-228) is for research use only and not for use in diagnostic or therapeutic procedures.

RYBP Antibody (aa215-228) - Protein Information**Name** RYBP**Synonyms** DEDAF, YEAF1**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: <http://www.uniprot.org/citations/25519132> target="_blank">25519132). 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 (By similarity). Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes (PubMed:19098711). May also regulate the ubiquitin-mediated proteasomal degradation of other proteins like FANK1 to regulate apoptosis (PubMed:14765135, PubMed:27060496). May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1 (PubMed:11953439). May bind to DNA (By similarity). 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. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q8CCI5}. Note=Primarily found in the nucleus Detected in a punctate pattern likely to represent Polycomb group (PcG) bodies (By similarity). {ECO:0000250|UniProtKB:Q8CCI5}

Tissue Location

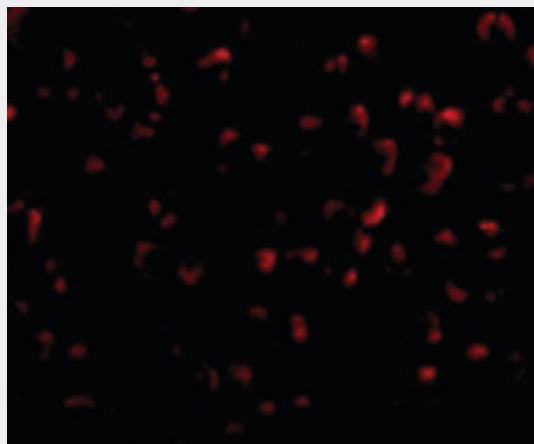
Down-regulated in breast cancer tissues and in several breast cancer cell lines (at protein level) (PubMed:27748911) Widely expressed with highest levels in lymphoid tissues and placenta

RYBP Antibody (aa215-228) - Protocols

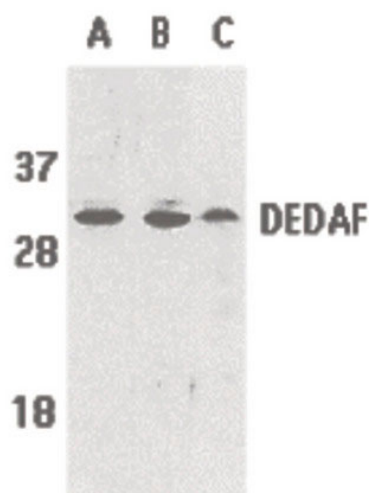
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

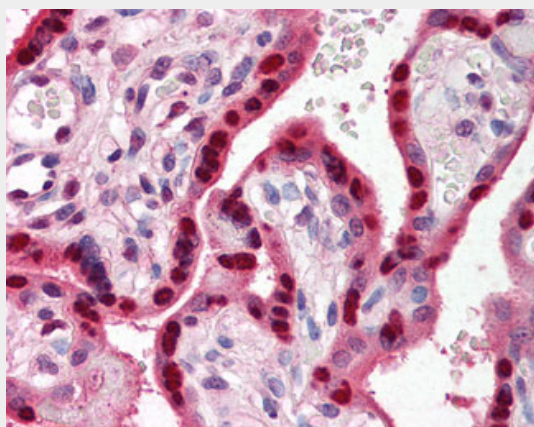
RYBP Antibody (aa215-228) - Images



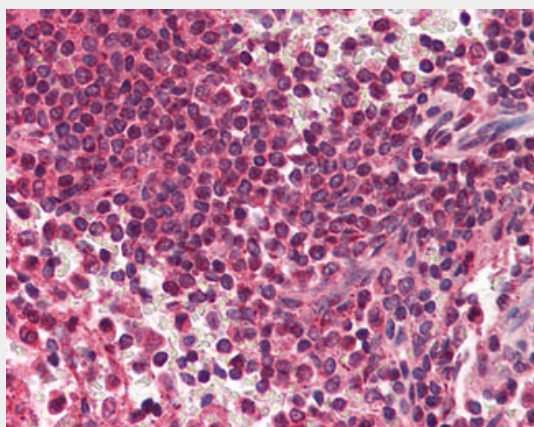
Immunofluorescence of DEDAF in A549 cells with DEDAF antibody at 20 ug/ml.



Western blot of DEDAF expression in human A549 (lane A), HepG2 (lane B), and mouse 3T3 (lane C)...



Anti-RYBP antibody IHC of human placenta.



Anti-RYBP antibody IHC of human spleen.

RYBP Antibody (aa215-228) - 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.

RYBP Antibody (aa215-228) - References

Zheng L.,et al.J. Biol. Chem. 276:31945-31952(2001).
Sawa C.,et al.J. Biol. Chem. 277:22484-22490(2002).
Danen-van Oorschot A.A.M.M.,et al.Cell Death Differ. 11:564-573(2004).
Cheng C.M.,et al.Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.
Gearhart M.D.,et al.Mol. Cell. Biol. 26:6880-6889(2006).