10320 Camino Santa Fe, Suite G
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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: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}

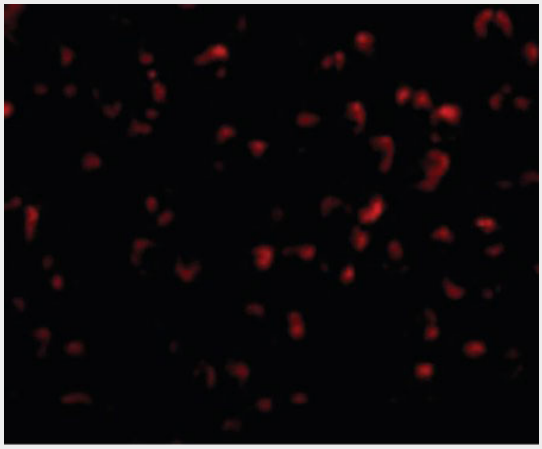
Tissue Location
Down-regulated in breast cancer tissues and in several breast cancer cell lines (at protein level) (PubMed:27748911) Widely expressed with highest levels in lymphoid tissues and placenta

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 Cytomety
- Cell Culture

RYBP Antibody (aa215-228) - Images



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

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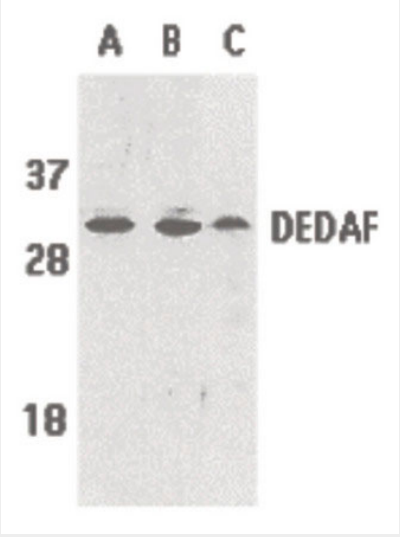
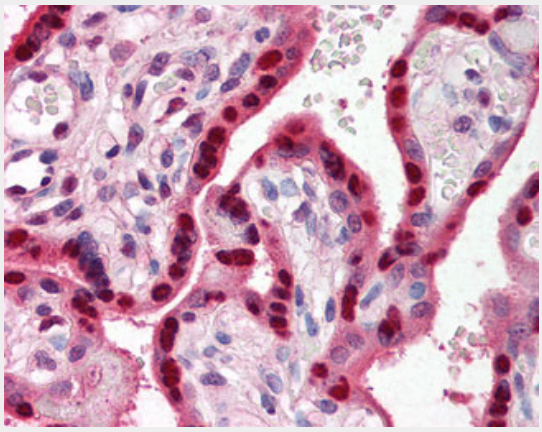
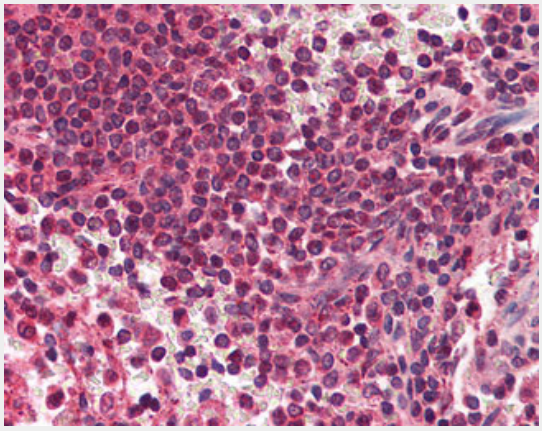


Western blot of DEDAF expression in human A549 (lane A), HepG2 (lane B), and mouse 3T3 (lane C)...



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.

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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).