10320 Camino Santa Fe, Suite G
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RBBP9 Antibody
Rabbit Polyclonal Antibody
Catalog # AI10143

Specification

RBBP9 Antibody - Product Information

Application	**WB, IF**
Primary Accession	O75884
Other Accession	O75884, NP_006597, NM_006606
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine**
Predicted	**Human, Mouse, Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**21 kDa KDa**

RBBP9 Antibody - Additional Information

Gene ID 10741

Alias Symbol	**BOG, MGC9236, RBBP10**

Other Names
Putative hydrolase RBBP9, 3---, B5T-overexpressed gene protein, Protein BOG, Retinoblastoma-binding protein 10, RBBP-10, Retinoblastoma-binding protein 9, RBBP-9, RBBP9, BOG, RBBP10

Target/Specificity
RBBP9 may play a role in the transformation process due to its capacity to confer resistance to the growth-inhibitory effects of TGF-beta1 through interaction with retinoblastoma and the subsequent displacement of E2F-1.The protein encoded by this gene is a retinoblastoma binding protein that may play a role in the regulation of cell proliferation and differentiation. Two alternatively spliced transcript variants of this gene with identical predicted protein products have been reported, one of which is a nonsense-mediated decay candidate.

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-RBBP9 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
RBBP9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RBBP9 Antibody - Protein Information

Name RBBP9 (HGNC:9892)

Synonyms BOG, RBBP10

Function
Serine hydrolase (Probable) (PubMed:32196348). Catalyzes the hydrolytic activation of amino acid ester of the antiviral prodrug valacyclovir to its corresponding active drug, acyclovir (PubMed:32196348). May negatively regulate basal or autocrine TGF-beta signaling by suppressing SMAD2-SMAD3 phosphorylation (PubMed:20080647). May play a role in the transformation process due to its capacity to confer resistance to the growth-inhibitory effects of TGF-beta through interaction with RB1 and the subsequent displacement of E2F1 (PubMed:9697699).

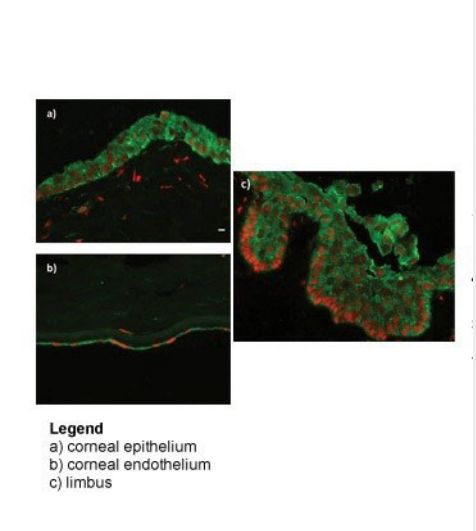
Tissue Location
Expressed at higher levels in tumor tissues such as carcinoma.

RBBP9 Antibody - 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

RBBP9 Antibody - Images



RBBP9 Antibody (AI10143) in Corneal Endothelium cells using Immunofluorescence
WB Suggested Anti-HNRNPA0 Antibody Titration: 1.25 µg/ml
Positive Control: HepG2 Whole Cell

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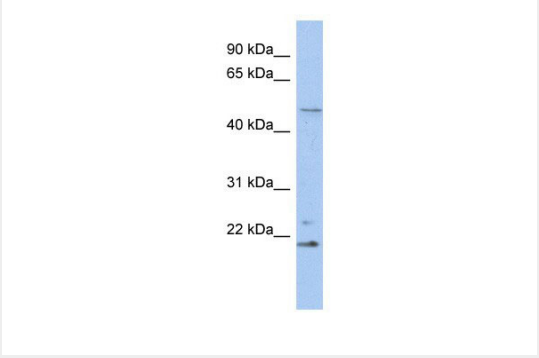

RBBP9 Antibody (AI10143) in Human THP1 cells using Western Blot
WB Suggested Anti-RBBP9 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: THP-1 cell lysate

RBBP9 Antibody - Background

This is a rabbit polyclonal antibody against RBBP9. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).