**Product Name: CtIP Rabbit Polyclonal Antibody**
**Catalog #: APRab09503**

## Summary

| | |
|---|---|
| **Production Name** | CtIP Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | IHC-P,IF-P,IF-F,ICC/IF,ELISA |
| **Reactivity** | Human,Mouse |

## Performance

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|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

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|---|---|
| **Gene Name** | RBBP8 |
| **Alternative Names** | RBBP8; CTIP; DNA endonuclease RBBP8; CtBP-interacting protein; CtIP; Retinoblastoma-binding protein 8; RBBP-8; Retinoblastoma-interacting protein and myosin-like; RIM; Sporulation in the absence of SPO11 protein 2 homolog; SAE2 |
| **Gene ID** | 5932.0 |
| **SwissProt ID** | Q99708. The antiserum was produced against synthesized peptide derived from human RBBP8. AA range:630-679 |

## Application

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|---|---|
| **Dilution Ratio** | IHC-P 1:100-1:300, ELISA 1:5000, IF-P/IF-F/ICC/IF 1:50-200 |
| **Molecular Weight** | |

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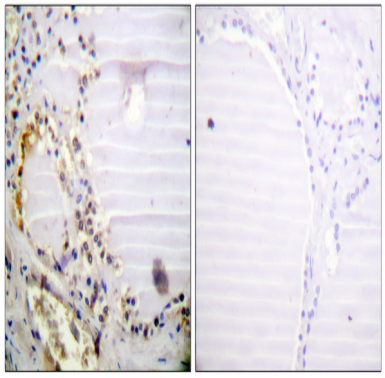
## Background

The protein encoded by this gene is a ubiquitously expressed nuclear protein. It is found among several proteins that bind directly to retinoblastoma protein, which regulates cell proliferation. This protein complexes with transcriptional co-repressor CTBP. It is also associated with BRCA1 and is thought to modulate the functions of BRCA1 in transcriptional regulation, DNA repair, and/or cell cycle checkpoint control. It is suggested that this gene may itself be a tumor suppressor acting in the same pathway as BRCA1. Three transcript variants encoding two different isoforms have been found for this gene. More transcript variants exist, but their full-length natures have not been determined. [provided by RefSeq, Jul 2008],function:May modulate the functions ascribed to BRCA1 in transcriptional regulation, DNA repair, and/or cell cycle checkpoint control.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. Hyperphosphorylation upon ionizing radiation results in dissociation from BRCA1.,PTM:Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation.,subcellular location:Predominantly nuclear.,subunit:Interacts with CTBP, with the C-terminal (BRCT) domains of BRCA1, and with the retinoblastoma protein.,

## Research Area

## Image Data



Immunohistochemistry analysis of paraffin-embedded human thyroid gland tissue, using RBBP8 Antibody. The picture on the right is blocked with the synthesized peptide.

## Note

For research use only.