**Product Name: PP2A-Aβ Rabbit Polyclonal Antibody**
**Catalog #: APRab16392**

## Summary

| | |
|---|---|
| **Production Name** | PP2A-Aβ Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | IHC,WB, |
| **Reactivity** | Human,Mouse,Rat |

## 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% BSA and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

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|---|---|
| **Gene Name** | PPP2R1B |
| **Alternative Names** | PPP2R1B; Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform; PP2A subunit A isoform PR65-beta; PP2A subunit A isoform R1-beta |
| **Gene ID** | 5519.0 |
| **SwissProt ID** | P30154.The antiserum was produced against synthesized peptide derived from human PPP2R1B. AA range:552-601 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500 - 1:2000.IHC-p:1:50-300 ELISA: 1:20000.. |
| **Molecular Weight** | 66kD |

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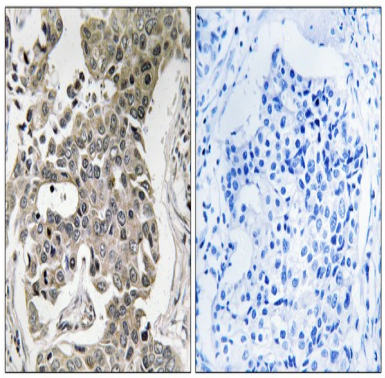
## Background

This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes a beta isoform of the constant regulatory subunit A. Mutations in this gene have been associated with some lung and colon cancers. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010],disease:Defects in PPP2R1B might be a cause of some lung and colorectal cancers.,domain:Each HEAT repeat appears to consist of two alpha helices joined by a hydrophilic region, the intrarepeat loop. The repeat units may be arranged laterally to form a rod-like structure.,function:The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.,sequence caution:Contaminating sequence. Sequence of unknown origin in the N-terminal part.,similarity:Belongs to the phosphatase 2A regulatory subunit A family.,similarity:Contains 15 HEAT repeats.,subunit:PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate with the core dimer include three families of regulatory subunits B (the R2/B/PR55/B55, R3/B''/PR72/PR130/PR59 and R5/B'/B56 families), the 48 kDa variable regulatory subunit, viral proteins, and cell signaling molecules. Interacts with IPO9. Interacts with SGOL1.,

## Research Area

Oocyte meiosis;WNT;WNT-T CELLTGF-beta;Tight junction;Long-term depression;

## Image Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PPP2R1B Antibody. The picture on the right is blocked with the synthesized peptide.

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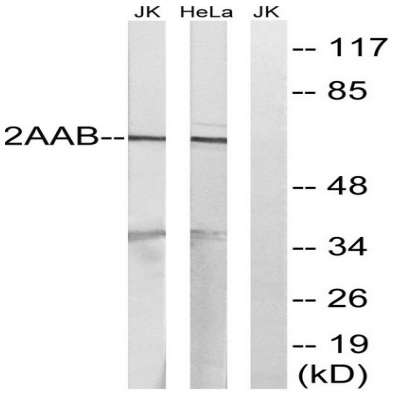
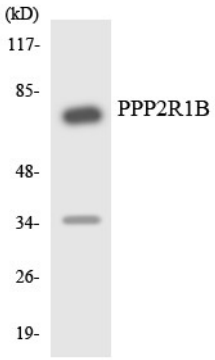
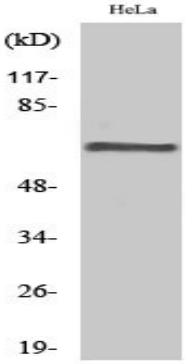



Western blot analysis of lysates from HeLa and Jurkat cells, using PPP2R1B Antibody. The lane on the right is blocked with the synthesized peptide.




Western blot analysis of the lysates from Jurkat cells using PPP2R1B antibody.




Western Blot analysis of various cells using PP2A-Aβ Polyclonal Antibody

## Note

For research use only.