



# Anti-PPP2R5D (aa 589-602) polyclonal antibody (CABT-BL2985)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| <b>Immunogen</b>             | Synthetic peptide: KRAEEFLTASQEAL, corresponding to C terminal amino acids 589-602 of Human PPP2R5D.    |
| <b>Isotype</b>               | IgG   |
| <b>Source/Host</b>           | Goat  |
| <b>Species Reactivity</b>    | Mouse, Human  |
| <b>Purification</b>          | IgG fraction  |
| <b>Conjugate</b>             | Unconjugated  |
| <b>Applications</b>          | WB  |
| <b>Cellular Localization</b> | Cytoplasmic and nuclear in interphase, nuclear during mitosis   |
| <b>Format</b>                | Liquid  |
| <b>Buffer</b>                | 0.5% BSA, 0.5mg/ml Tris, pH 7.3   |
| <b>Preservative</b>          | 0.02% Sodium Azide  |
| <b>Storage</b>               | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |

## BACKGROUND

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| <b>Introduction</b> | B regulatory subunit of protein phosphatase 2A (PP2A) that plays a key role in cell cycle by controlling mitosis entry and exit. The activity of PP2A complexes containing PPP2R2D (PR55- |
|---------------------|---|

delta) fluctuate during the cell cycle: the activity is high in interphase and low in mitosis. During mitosis, activity of PP2A is inhibited via interaction with phosphorylated ENSA and ARPP19 inhibitors. Within the PP2A complexes, the B regulatory subunits modulate substrate selectivity and catalytic activity, and also may direct the localization of the catalytic enzyme to a particular subcellular compartment.

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## GENE INFORMATION

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| Entrez Gene ID | <a href="#">5528</a> |
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| Protein Refseq | <a href="#">NP_006236</a> |
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| UniProt ID | <a href="#">Q14738</a> |
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