



# Anti-PPP2R5D (aa 500-550) polyclonal antibody (CABT-BL2984)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to a region between residues 500 and 550 of human PPP2R5D
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IP
<b>Cellular Localization</b>	Cytoplasmic and nuclear in interphase, nuclear during mitosis
<b>Format</b>	Liquid
<b>Buffer</b>	8mM PBS, 60mM Citrate, 150mM Tris, pH 7 to 8
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at +4°C.

## BACKGROUND

<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
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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

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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