



# Anti-PPP2R3B monoclonal antibody (DCABH-13018)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Protein phosphatase 2 (formerly named type 2A) is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2 holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B/PR61, and B/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holoenzyme. The product of this gene belongs to the B family. The B family has been further divided into subfamilies. The product of this gene belongs to the beta subfamily of regulatory subunit B. Alternative splicing results in multiple transcript variants encoding different isoforms.
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<b>Immunogen</b>	A synthetic peptide of human PPP2R3B is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">PPP2R3B protein phosphatase 2, regulatory subunit B, beta [ Homo sapiens ]</a>
Official Symbol	PPP2R3B
Synonyms	PPP2R3B; protein phosphatase 2, regulatory subunit B, beta; PPP2R3L, protein phosphatase 2 (formerly 2A), regulatory subunit B, beta; serine/threonine-protein phosphatase 2A regulatory subunit B subunit beta; PPP2R3LY; PR48; NY-REN-8 antigen; PP2A, subunit B, PR48 isoform; protein phosphatase 2 (formerly 2A), regulatory subunit B, beta; serine/threonine protein phosphatase 2A, 48kDa regulatory subunit B; NYREN8; PPP2R3L; FLJ60425;
Entrez Gene ID	<a href="#">28227</a>
Protein Refseq	<a href="#">NP_037371</a>
UniProt ID	<a href="#">Q9Y5P8</a>
Chromosome Location	Xp22.3 and Yp11.3
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cyclin D associated events in G1, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; E2F mediated regulation of DNA replication, organism-specific biosystem; G1 Phase, organism-specific biosystem;
Function	calcium ion binding; phosphoprotein phosphatase activity; protein phosphatase type 2A regulator activity; protein serine/threonine phosphatase activity;