



# Anti-PRKG2 (aa 1-100) polyclonal antibody (DPAB-DC2460)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a protein that belongs to the serine/threonine protein kinase family of proteins. The encoded protein plays a role in the regulation of fluid balance in the intestine. A similar protein in mouse is thought to regulate differentiation and proliferation of cells in the colon. Alternate splicing results in multiple transcript variants.
<b>Immunogen</b>	PRKG2 (NP_006250, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MGNGSVKPKHSHKHPDGHSGNLTDDALRNKVTLELERELRRKDAEIQEREYHLKELREQLSK QTVAIAELTEELQNKCIQLNKLQDVVHMQGGSPLQASPK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [PRKG2 protein kinase, cGMP-dependent, type II \[ Homo sapiens \(human\) \]](#)

<b>Official Symbol</b>	PRKG2
<b>Synonyms</b>	PRKG2; protein kinase, cGMP-dependent, type II; cGK2; cGKII; PRKGR2; cGMP-dependent protein kinase 2; cGMP-dependent protein kinase II;
<b>Entrez Gene ID</b>	<a href="#">5593</a>
<b>Protein Refseq</b>	<a href="#">NP_001269409</a>
<b>UniProt ID</b>	<a href="#">B7ZA25</a>
<b>Chromosome Location</b>	4q13.1-q21.1
<b>Pathway</b>	Ca2+ pathway; Gap junction; Long-term depression; Metabolism of nitric oxide.
<b>Function</b>	ATP binding; cGMP binding; cGMP-dependent protein kinase activity; protein kinase activity