



# Anti-PIP5K1A (aa 258-347) polyclonal antibody (DPAB-DC3449)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	PIP5K1A (phosphatidylinositol-4-phosphate 5-kinase, type I, alpha) is a protein-coding gene, and is affiliated with the lncRNA class. Diseases associated with PIP5K1A include prostate cancer, and prostatitis, and among its related super-pathways are PI Metabolism and Phosphatidylinositol signaling system. GO annotations related to this gene include 1-phosphatidylinositol-4-phosphate 5-kinase activity and kinase binding. An important paralog of this gene is PIP4K2A.
<b>Immunogen</b>	PIP5K1A (NP_003548, 258 a.a. ~ 347 a.a) partial recombinant protein with GST tag. The sequence is QKEREKPLPTFKDLDFLQDIPDGLFLDADMYNALCKTLQRDCLVLQSFKIMDYSLLMSIH NIDHAQREPLSSETQYSVDTRRPAPQKALY
<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

<b>Gene Name</b>	<a href="#">PIP5K1A phosphatidylinositol-4-phosphate 5-kinase, type I, alpha [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PIP5K1A
<b>Synonyms</b>	PIP5K1A; phosphatidylinositol-4-phosphate 5-kinase, type I, alpha; phosphatidylinositol 4-phosphate 5-kinase type-1 alpha; PIP5K1alpha; PIP5K1-alpha; ptdIns(4)P-5-kinase 1 alpha; phosphatidylinositol 4-phosphate 5-kinase type I alpha; phosphatidylinositol-4-phosphate 5-kinase type-1 alpha; 68 kDa type I phosphatidylinositol 4-phosphate 5-kinase alpha; 68 kDa type I phosphatidylinositol-4-phosphate 5-kinase alpha;
<b>Entrez Gene ID</b>	<a href="#">8394</a>
<b>Protein Refseq</b>	<a href="#">NP_001129108</a>
<b>UniProt ID</b>	<a href="#">Q99755</a>
<b>Chromosome Location</b>	1q21.3
<b>Pathway</b>	3-phosphoinositide biosynthesis; Arf6 downstream pathway; D-myo-inositol (1,4,5)-trisphosphate biosynthesis; Endocytosis
<b>Function</b>	1-phosphatidylinositol-4-phosphate 5-kinase activity; ATP binding; kinase binding; protein binding