



# Anti-PPA1 (aa 10-111) polyclonal antibody (DPAB-DC2348)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a member of the inorganic pyrophosphatase (PPase) family. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Studies of a similar protein in bovine suggested a cytoplasmic localization of this enzyme.
<b>Immunogen</b>	PP (NP_066952, 10 a.a. ~ 111 a.a) partial recombinant protein with GST tag. The sequence is AAPFSLEYRVFLKNEKGQYISPFHDIPIYADKDV FHMVVEVPRWSNAKMEIATKDPLNPI KQDVKKGKRLRYVANLFPYKGYIWNYGAIPQTWEDPGHNDKHT
<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** [PPA1 pyrophosphatase \(inorganic\) 1 \[ Homo sapiens \(human\) \]](#)

<b>Official Symbol</b>	PPA1
<b>Synonyms</b>	PPA1; pyrophosphatase (inorganic) 1; PP; PP1; IOPPP; HEL-S-66p; SID6-8061; inorganic pyrophosphatase; PPase; pyrophosphatase 1; inorganic diphosphatase; inorganic pyrophosphatase 1; diphosphate phosphohydrolase; pyrophosphate phospho-hydrolase; cytosolic inorganic pyrophosphatase; epididymis secretory sperm binding protein Li 66p;
<b>Entrez Gene ID</b>	<a href="#">5464</a>
<b>Protein Refseq</b>	<a href="#">NP_066952</a>
<b>UniProt ID</b>	<a href="#">Q15181</a>
<b>Chromosome Location</b>	10q11.1-q24
<b>Pathway</b>	Cytosolic tRNA aminoacylation; Hypothetical Network for Drug Addiction; Oxidative phosphorylation;
<b>Function</b>	inorganic diphosphatase activity; magnesium ion binding;