



Anti-PPA2 monoclonal antibody (DCABH-12993)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Immunogen	A synthetic peptide of human PPA2 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [PPA2 pyrophosphatase \(inorganic\) 2 \[Homo sapiens \]](#)

Official Symbol	PPA2
Synonyms	PPA2; pyrophosphatase (inorganic) 2; inorganic pyrophosphatase 2, mitochondrial; FLJ20459; PPase 2; pyrophosphatase SID6-306; pyrophosphate phospho-hydrolase 2; HSPC124; SID6-306; MGC49850;
Entrez Gene ID	27068
Protein Refseq	NP_008834
UniProt ID	Q9H2U2
Chromosome Location	4q25
Pathway	Gene Expression, organism-specific biosystem; Mitochondrial tRNA aminoacylation, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, conserved biosystem; tRNA Aminoacylation, organism-specific biosystem;
Function	hydrolase activity; inorganic diphosphatase activity; magnesium ion binding;