

Rabbit PPA1 Polyclonal Antibody | anti-PPA1 antibody

PPA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326591	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

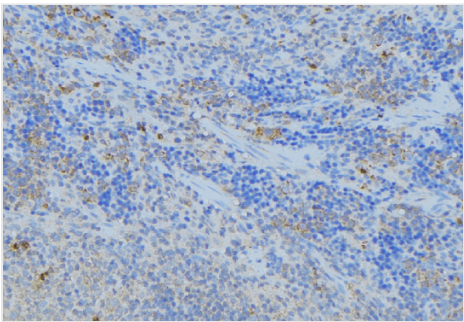
PRODUCT SYNONYMS

PPA1; Polyclonal Antibody; PPA1 Antibody; cytosolic inorganic pyrophosphatase; diphosphate phosphohydrolase; inorganic diphosphatase; inorganic pyrophosphatase 1; Inorganic pyrophosphatase; IOPPP; IPYR_HUMAN; PP; PP1; PPase; Pyp; pyrophosphatase; inorganic; 1; Pyrophosphate phospho hydrolase; Pyrophosphate phospho-hydrolase; SID6-8061; anti-PPA1 antibody

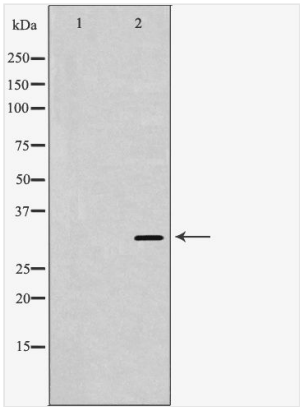
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PPA1 antibody detects endogenous levels of total PPA1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	289
Applicable Applications for anti-PPA1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PPA1
Subcellular Location	Cytoplasm.
Tissue Specificity	Expressed ubiquitously.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (92%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (92%), Chicken (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326591 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of human heart, using PPA1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PPA1 antibody	Description: PPA1(Inorganic pyrophosphatase) is also named as IOPPP, PP and PPase. It maintains the thermodynamic favorability of these reactions by catalyzing the hydrolysis of pyrophosphates into organic phosphates, which are then exported across the cell membrane(PMID:16300924).The erythrocyte inorganic pyrophosphatase molecule would appear to be a dimer(PMID:4130389).This antibody is specific to PPA1. Function: Diphosphate + H2O = 2 phosphate. Subunit Structure: Homodimer. Similarity: Belongs to the PPase family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	11056044
NCBI GeneID	5464
NCBI Accession #	NP_066952.1
NCBI GenBank Nucleotide #	NM_021129.3
UniProt Accession #	Q15181; Q2M348; Q5SQT7; Q6P7P4; Q9UQJ5; Q9Y5B1
Molecular Weight	Observed: 33 kDa Predicted: 33 kDa
NCBI Official Full Name	inorganic pyrophosphatase
NCBI Official Synonym Full Names	pyrophosphatase (inorganic) 1
NCBI Official Symbol	PPA1
NCBI Official Synonym Symbols	PP; PP1; IOPPP; HEL-S-66p; SID6-8061
NCBI Protein Information	inorganic pyrophosphatase
UniProt Protein Name	Inorganic pyrophosphatase
UniProt Gene Name	PPA1
UniProt Synonym Gene Names	IOPPP; PP; PPase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.