

Anti-Pyrophosphatase 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

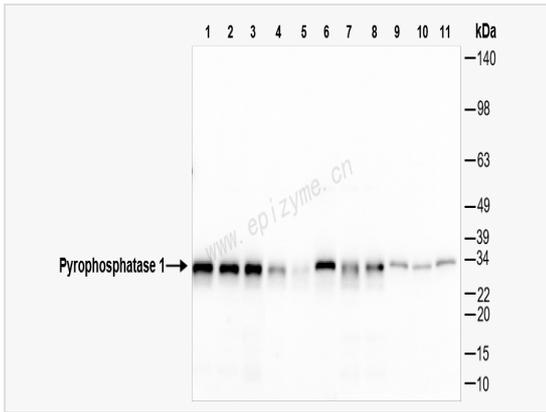
Catalog # R014742

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	65Q17B81
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Pyrophosphatase 1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Pyrophosphatase 1 Rabbit mAb [65Q17B81] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	cytosolic inorganic pyrophosphatase, diphosphate phosphohydrolase, inorganic diphosphatase, inorganic pyrophosphatase 1, Inorganic pyrophosphatase, IOPPP, IPYR_HUMAN, PP, PP1, PPA1, PPase, Pyp, pyrophosphatase, inorganic, I, Pyrophosphate phospho hydrolase, Pyrophosphate phospho-hydrolase, SID6-8061.
Calculated MW	Calculated MW: 33 kDa; Observed MW: 33 kDa
Uniprot ID	Q15181
Gene ID	5464
Background	Belongs to the PPase family.
Cellular Location	Cytoplasm.
Tissue Location	Expressed ubiquitously.



Western Blot - Anti-Pyrophosphatase 1 Rabbit mAb [65Q17B81]

All lanes: R014742 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 5: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 6: 293T (Human embryonic kidney cell) whole cell lysates

Lane 7: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 9: Rat brain whole tissue lysates

Lane 10: Rat heart whole tissue lysates

Lane 11: Rat kidney whole tissue lysates

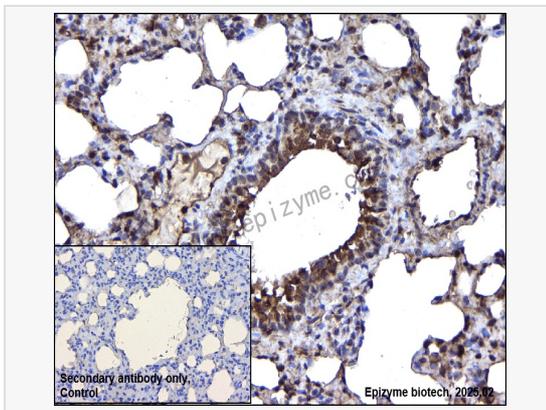
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Pyrophosphatase 1 Rabbit mAb [65Q17B81]

Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014742 at 1:200 dilution

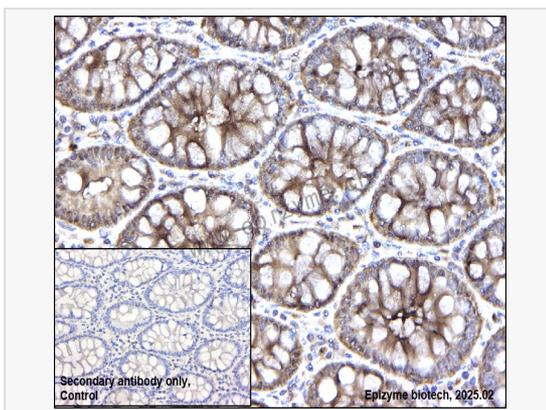
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Pyrophosphatase 1 Rabbit mAb [65Q17B81]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014742 at 1:200 dilution

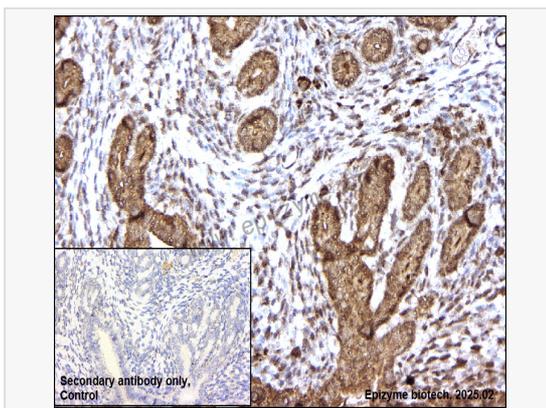
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Pyrophosphatase 1 Rabbit mAb [65Q17B81]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse uterus tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014742 at 1:100 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.

