

Anti-Placental Alkaline Phosphatase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

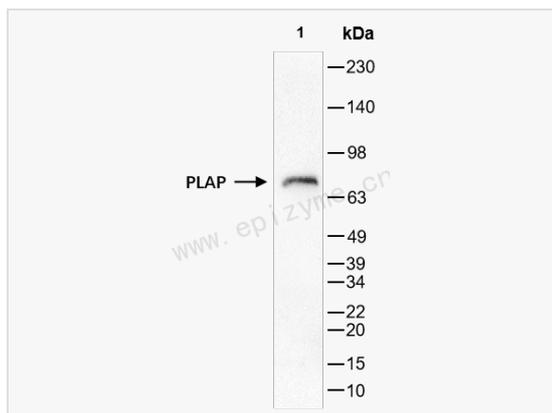
Catalog # R015680

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human
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.	83J12C81
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PLAP
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-Placental Alkaline Phosphatase Rabbit mAb [83J12C81] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	FLJ11281; FLJ12699; Glycerophosphatase; OTTHUMP00000045176; Phospholipase A 2 activating protein; Phospholipase A-2-activating protein; Phospholipase A2 activating protein; PLA2P; Plaa; PLAP; PLAP_HUMAN.
Calculated MW	Calculated MW: 87 kDa; Observed MW: 75 kDa
Uniprot ID	Q9Y263
Gene ID	9373
Background	May play a role in protein ubiquitination, sorting and degradation through its association with VCP. May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes.



Western Blot - Anti-Placental Alkaline Phosphatase Rabbit mAb [83J12C81]

All lanes: R015680 at 1:1,000 dilution

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

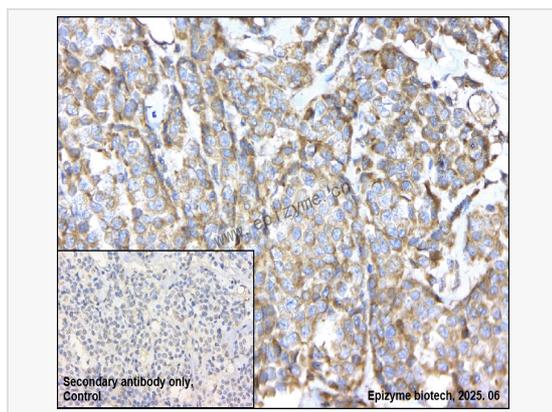
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 87 kDa

Observed band size: 75 kDa

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



Immunohistochemistry - Anti-Placental Alkaline Phosphatase Rabbit mAb [83J12C81]

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

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

Primary antibody: R015680 at 1:200 dilution

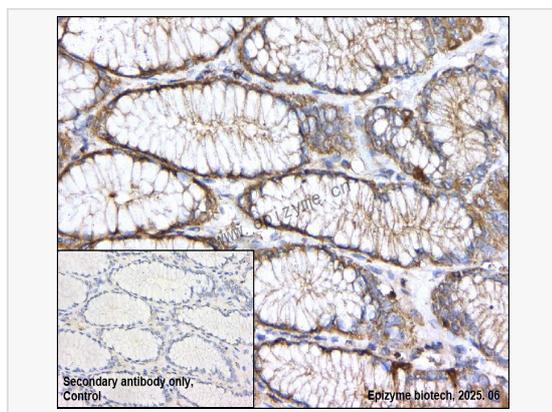
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-Placental Alkaline Phosphatase Rabbit mAb [83J12C81]

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

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

Primary antibody: R015680 at 1:200 dilution

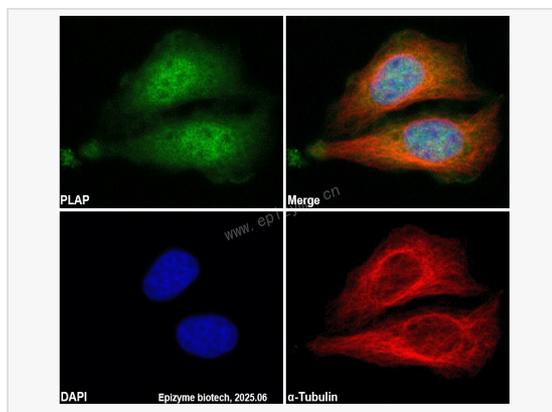
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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.



Immunofluorescence - Anti-Placental Alkaline Phosphatase Rabbit mAb [83J12C81]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015680 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and

Goat anti-Mouse (CY3) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).