

Anti-ATG7 Rabbit pAb

Purified Rabbit Polyclonal Antibody

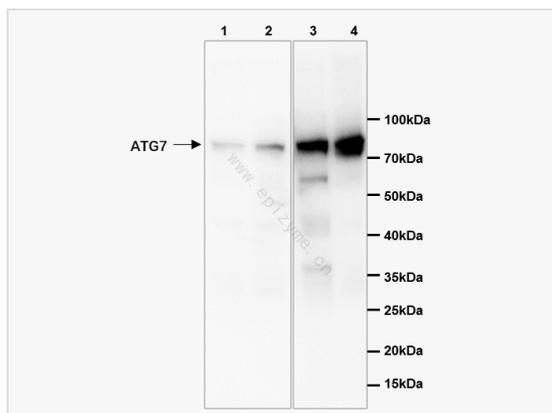
Catalog # P013271

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Atg7(Apg7)
Format	Affinity purified polyclonal 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-ATG7 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	hAGP7, Ubiquitin-activating enzyme E1-like protein, APG7L.
Calculated MW	Calculated MW: 78 kDa; Observed MW: 75 kDa
Uniprot ID	O95352
Gene ID	10533
Background	The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10.



Western Blot - Anti-ATG7 Rabbit pAb

All lanes: P013271 at 1:1,000 dilution

Lane 1: MCF7 (human breast cancer epithelial cell) whole cell lysates

Lane 2: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 3: Balb/c mouse small intestine whole tissue lysates

Lane 4: Balb/c mouse kidney whole tissue lysates

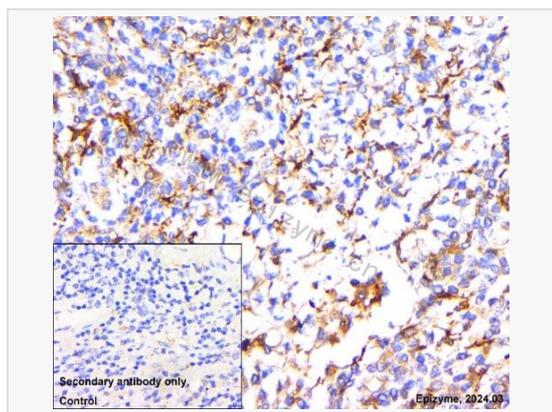
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 78 kDa

Observed band size: 75 kDa

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



Immunohistochemistry - Anti-ATG7 Rabbit pAb

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma carcinoma tissue

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

Primary antibody: P013271 at 1:200 dilution

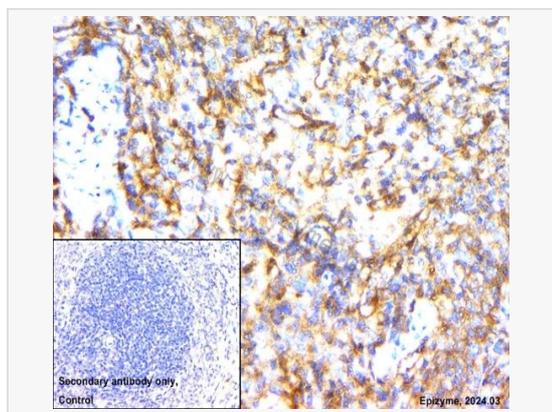
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-ATG7 Rabbit pAb

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

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

Primary antibody: P013271 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.