

À des fins de recherche uniquement

# Anticorps Monoclonal anti-ATG7

Numéro de catalogue: 67341-1-Ig

Phare

23 Publications



## Informations de base

Numéro de catalogue: 67341-1-Ig	Numéro d'acquisition GenBank: BC000091	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1800 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 10533	CloneNo.: 2B5A10
Hôte: Mouse	Nom complet: ATG7 autophagy related 7 homolog (S. cerevisiae)	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:50-1:500
Isotype: IgG2a	MW calculé: 78 kDa	
Immunogen Catalog Number: AG29172	MW observés: 68-78 kDa	

## Applications

Applications testées:  
FC, IF, IHC, WB, ELISA

Demandes citées:  
IF, IHC, WB

Spécificité de l'espèce:  
Humain, porc, rat, souris

Espèces citées:  
canin, Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules LNCaP, cellules 4T1, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules NIH/3T3, cellules THP-1, tissu splénique de porc

IHC : tissu de cancer du col de l'utérus humain,

IF : cellules HeLa,

## Informations générales

Atg7 is an E1-like enzyme that is specifically involved in autophagosome formation and is essential for autophagy. As an autophagic-related protein it is required for linking to Atg12, Atg5 and Atg8, which are essential for Atg conjugation and autophagosome formation. Atg7 has been reported as an important regulator of autophagy with starvation-induced or chemotherapeutic agent treatment. The high expression level of ATG7 is related to the survival of patients with breast cancer. There are several isoforms of ATG7 protein ranged from 68 kDa to 78 kDa.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Meng Wang	36090477	Mol Ther Oncolytics	WB
Syed Riaz Ud Din	33044599	Appl Microbiol Biotechnol	WB
Xinxin Si	36382664	Pharmacology	IHC

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

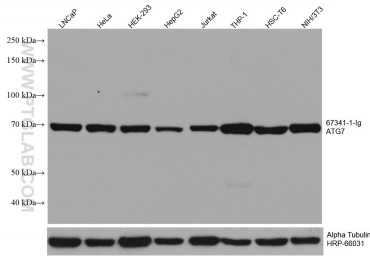
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

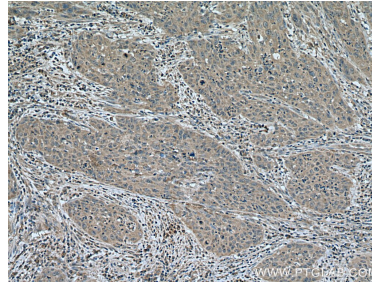
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

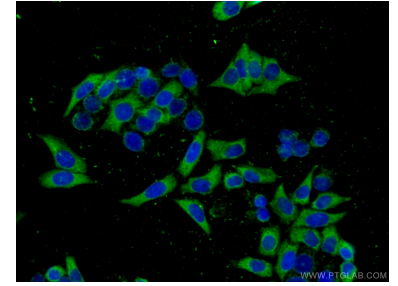
## Données de validation sélectionnées



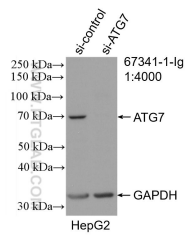
LNCaP cells were subjected to SDS PAGE followed by western blot with 67341-1-Ig (ATG7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



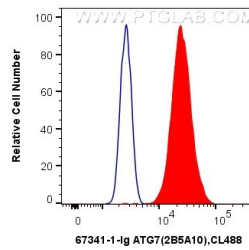
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 67341-1-Ig (ATG7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 67341-1-Ig (ATG7 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of ATG7 antibody (67341-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATG7 transfected HepG2 cells.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.5 ug Anti-Human ATG7 (67341-1-Ig, Clone:2B5A10) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).