

À des fins de recherche uniquement

# Anticorps Monoclonal anti-ATG5

Numéro de catalogue: 66744-1-Ig

Phare

27 Publications



## Informations de base

Numéro de catalogue: 66744-1-Ig	Numéro d'acquisition GenBank: BC002699	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 9474	CloneNo.: 2D3B8
Hôte: Mouse	Nom complet: ATG5 autophagy related 5 homolog (S. cerevisiae)	Dilutions recommandées: WB 1:1000-1:6000 IHC 1:150-1:600
Isotype: IgG2a	MW calculé: 32 kDa	
Immunogen Catalog Number: AG16685	MW observés: 50-55 and 40-45 kDa	

## Applications

### Applications testées:

FC, IHC, WB, ELISA

### Demandes citées:

WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

Humain, porc, 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 HEK-293, cellules HeLa, cellules HSC-T6, cellules Jurkat, cellules NIH/3T3, cellules Raji

IHC : tissu de cancer du côlon humain,

## Informations générales

ATG5, also named as APG5L and ASP, belongs to the ATG5 family. It is required for autophagy. It plays an important role in the apoptotic process, possibly within the modified cytoskeleton. Its expression is a relatively late event in the apoptotic process, occurring downstream of caspase activity. Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of bulk cytoplasmic contents. Formation of the autophagosome involves a ubiquitin-like conjugation system in which ATG12 is covalently bound to ATG5 and targeted to autophagosome vesicles. It mediates autophagosome-independent host protection. 66744-1-Ig antibody can recognize the ATG5-ATG12 complex (50-55 kDa) which can be truncated and generate a 40-45 kDa band. (PMID: 19783656, 25032862)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Wenbin Pei	34650433	Front Pharmacol	WB
Zixuan Liu	33017703	Chemosphere	WB
Zixuan Liu	32937103	Toxicol Appl Pharmacol	WB

## 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.

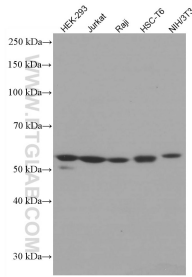
For technical support and original validation data for this product please contact:

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

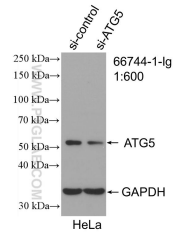
E: proteintech@ptglab.com  
W: ptglab.com

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

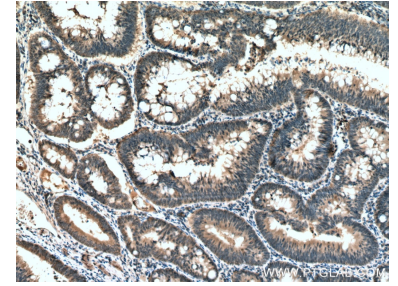
## Données de validation sélectionnées



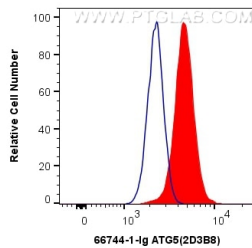
Various lysates were subjected to SDS PAGE followed by western blot with 66744-1-Ig (ATG5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of ATG5 antibody (66744-1-Ig: 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATG5 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66744-1-Ig (ATG5 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human ATG5 (66744-1-Ig, Clone:2D3B8) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 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).