

Nur für Forschungszwecke

# ATG5 Monoklonaler Antikörper

Katalog-Nr.:66744-1-Ig

Vorgestelltes Produkt

23 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66744-1-Ig	<b>GenBank-Zugangsnummer:</b> BC002699	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1500 µg/ml durch die Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 9474	<b>CloneNo.:</b> 2D3B8
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> ATG5 autophagy related 5 homolog (S. cerevisiae)	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IHC 1:150-1:600
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 32 kDa	
<b>Immunogen Katalognummer:</b> AG16685	<b>Beobachtete Masse:</b> 50-55 and 40-45 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, NIH/3T3-Zellen, Raji-Zellen IHC : humanes Kolonkarzinomgewebe,
<b>In Publikationen genannte Anwendungen:</b> WB	
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Hausschwein, Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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 autophagosomic 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)

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

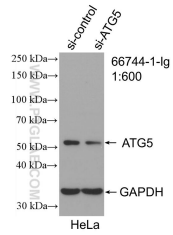
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

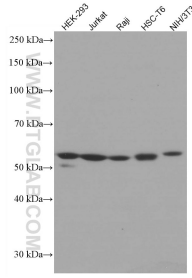
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

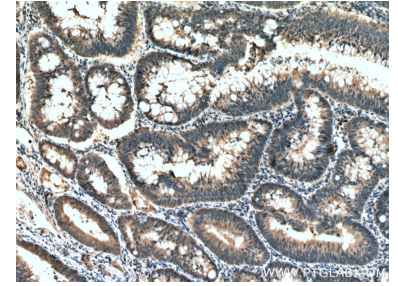
## Ausgewählte Validierungsdaten



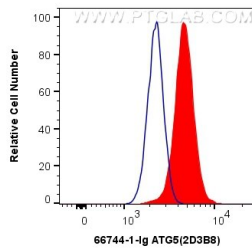
WB result of ATG5 antibody (66744-1-Ig; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATG5 transfected HeLa cells.



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.



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).



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.4  $\mu$ g Anti-Human ATG5 (66744-1-Ig, Clone:2D3B8) and Coralite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4  $\mu$ g 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).