

Nur für Forschungszwecke

ATG5 Rekombinanter Antikörper

Katalog-Nr.:81803-1-RR

Vorgestelltes Produkt



Allgemeine Informationen

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| Katalog-Nr.: 81803-1-RR | GenBank-Zugangsnummer: BC002699 | Reinigungsmethode: Protein-A-Reinigung |
| Größe: 100ul, Konzentration: 1000 µg/ml von9474 | GeneID (NCBI): von9474 | CloneNo.: 5M5 |
| Nanodrop; | Vollständiger Name: ATG5 autophagy related 5 homolog (S. cerevisiae) | Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:1000-1:4000 für WB |
| Wirt: Kaninchen | Berechnete Masse: 32 kDa | IHC 1:500-1:2000 |
| Isotyp: IgG | Beobachtete Masse: 50-55 kDa | |
| Immunogen Katalognummer: AG0214 | | |

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HeLa-Zellen, A549-Zellen, HepG2-Zellen, Jurkat-Zellen, NIH/3T3-Zellen, PC-12-Zellen, RAW 264.7-Zellen

IP: HeLa-Zellen,

IHC: humanes Ovarialkarzinomgewebe,

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 autophagosome vesicles. It mediates autophagosome-independent host protection. This antibody is raised against 28-275 amino acids of human ATG5. It can recognize the ATG5-ATG12 complex (55 kDa) which can be truncated and generate a 40-45 kDa band.

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

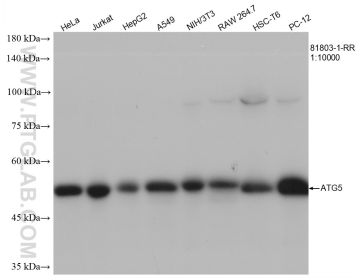
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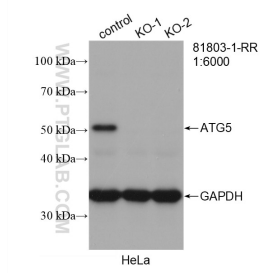
E: proteintech@ptglab.com
W: ptglab.com

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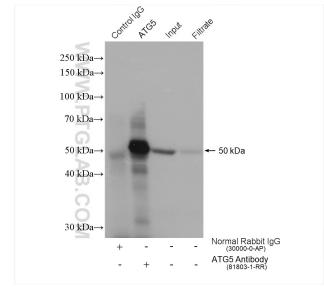
Ausgewählte Validierungsdaten



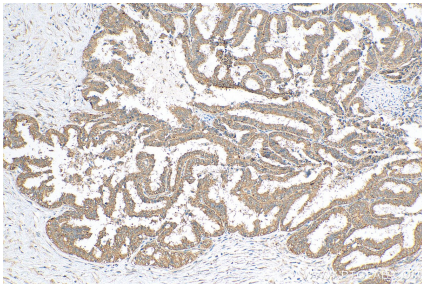
Various lysates were subjected to SDS PAGE followed by western blot with 81803-1-RR (ATG5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of ATG5 antibody (81803-1-RR; 1:6000; room temperature for 1.5 hours) with wild-type and ATG5 knockout HeLa cells.



IP result of anti-ATG5 (IP:81803-1-RR, 4ug; Detection:81803-1-RR 1:2000) with HeLa cells lysate 1800 ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 81803-1-RR (ATG5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).