

产品介绍

Autophagy Expanded Antibody Kit 为研究参与自噬途径的关键蛋白提供了一个经济高效的工具。对于开始新项目的研究人员、筛选多个潜在目标的研究人员或那些仅仅需要较少体积抗体的研究人员来说是非常适合的。

产品成分

Autophagy Expanded Antibody Kit 包含在自噬途径中发挥关键作用的10个关键蛋白靶点的抗体。

Antigen	Catalog No.	Host, clonality	Tested Reactivity	Applications	Volume
ULK1	20986-1-AP	Rabbit polyclonal	H, M, R	WB, IHC, ELISA	20 uL
Beclin 1	66665-1-Ig	Mouse monoclonal	H, M, R	WB, IP, IHC, IF, ELISA	20 uL
ATG9A	26276-1-AP	Rabbit polyclonal	H, M	WB, IHC, IF, ELISA	20 uL
LC3	81004-1-RR	Rabbit monoclonal	H, M, R, Pg	WB, IHC, IF/ICC, ELISA	20 uL
p62	84826-1-RR	Rabbit monoclonal	H, M, R	WB, IHC, IF/ICC, IP, ELISA	20 uL
ATG5	81803-1-RR	Rabbit monoclonal	H, M, R	WB, IP, IHC, ELISA	20 uL
ATG16 L1	29445-1-AP	Rabbit polyclonal	H, M, R	WB, IHC, IF, ELISA	20 μL
ATG12	11264-1-AP	Rabbit polyclonal	H, M	WB, IHC, IF/ICC, ELISA	20 μL
Ubiquitin	80992-1-RR	Rabbit monoclonal	H, M,	WB, IHC, IF/ICC, ELISA	20 μL
LAMP1	21997-1-AP	Rabbit polyclonal	H	WB, IHC, ELISA	20 μL

如果此试剂盒中的抗体不满足您的需求，请参考我们的“[Autophagy Essentials Antibody Kit](#)”。

10× 20 uL

-20℃ 保存。自收到之日起一年内保持稳定。

自噬是一个高度动态的过程，由以下三个步骤组成：（1）自噬体形成；（2）自噬体-溶酶体融合；（3）降解。它可以被多种与各种触发因素相关的信号通路诱导，包括营养缺乏、生长因子信号传导和细胞应激。ULK1和Beclin 1对于自噬的启动是至关重要的。自噬体的形成过程通过起始、成核、延伸、闭合和最终融合的步骤进行，每一个步骤都受到各种ATG蛋白的调节。各种自噬相关蛋白和调节蛋白的泛素化对于精确调节自噬途径至关重要。检测自噬的理想方式是评估自噬流，自噬流代表自噬途径的降解速率。检测自噬流最广泛使用的方法是检测自噬体膜蛋白LC3的加工。除了测量LC3-II变化以准确评估自噬流外，通常还建议分析自噬底物，如p62/SQSTM1。自噬体与溶酶体的融合可以通过同时分析自噬体标记物LC3和溶酶体标记物LAMP来监测。

标准实验流程

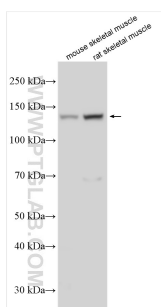
点击[此处](#)查看我们用于各种应用的标准流程，包括WB、IP、IHC、IF、FC和ELISA。

包装规格

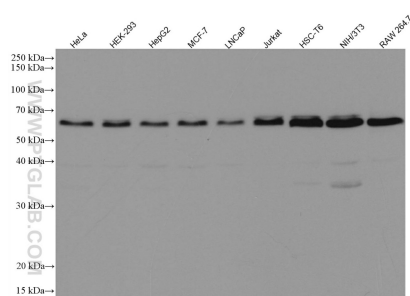
保存条件

背景介绍

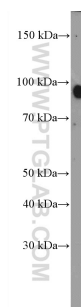
Validation Data



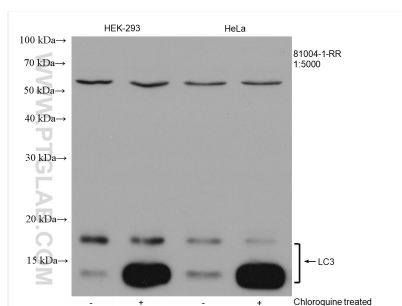
Various lysates were subjected to SDS PAGE followed by western blot with 20986-1-AP (ULK1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



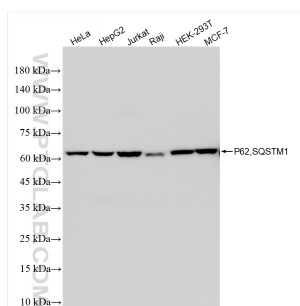
Various lysates were subjected to SDS PAGE followed by western blot with 66665-1-Ig (Beclin 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



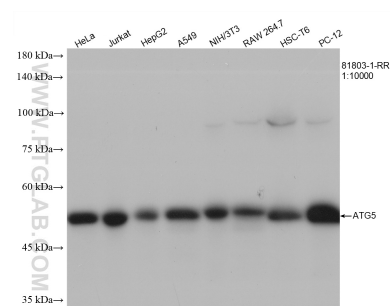
mouse brain tissue were subjected to SDS PAGE followed by western blot with 26276-1-AP (ATG9A Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



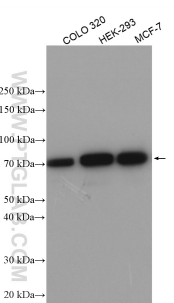
Untreated and chloroquine treated HEK-293 cells, untreated and chloroquine treated HeLa cells were subjected to SDS PAGE followed by western blot with 81004-1-RR (LC3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



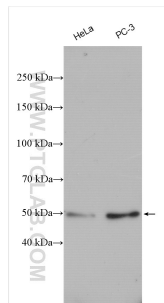
Various lysates were subjected to SDS PAGE followed by western blot with 84826-1-RR (P62, SQSTM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



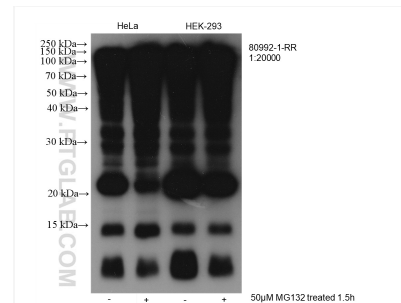
Various lysates were subjected to SDS PAGE followed by western blot with 81803-1-RR (ATG5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



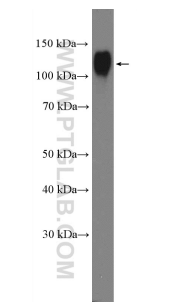
Various lysates were subjected to SDS PAGE followed by western blot with 29445-1-AP (ATG16L1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



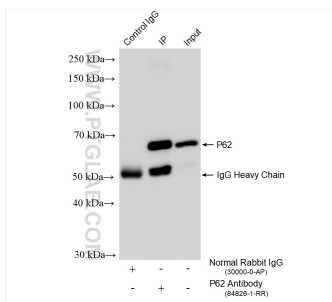
Various lysates were subjected to SDS PAGE followed by western blot with 11264-1-AP (ATG12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



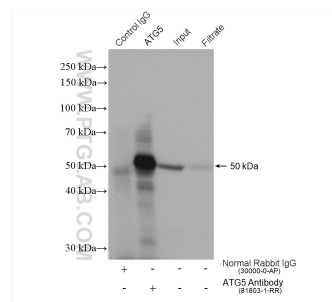
Various lysates were subjected to SDS PAGE followed by western blot with 80992-1-RR (ubiquitin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



U-937 cells were subjected to SDS PAGE followed by western blot with 21997-1-AP (LAMP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-P62, SQSTM1 (IP: 84826-1-RR, 4 μg; Detection: 84826-1-RR 1:4000) with NIH/3T3 cells lysate 1920 μg.



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

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

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