

ATG7 overexpression 293T lysate (whole cell) ab94329

2 图像

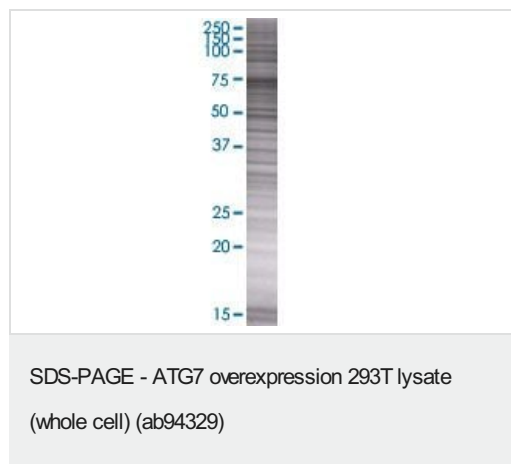
概述	
产品名称	ATG7 overexpression 293T裂解物(whole cell)
常规说明	ab94329 is a 293T cell transfected lysate in which Human ATG7 has been transiently over-expressed using a pCMV- ATG7 plasmid. The lysate is provided in 1X Sample Buffer.
经测试应用	适用于: WB
性能	
Mycoplasma free	Yes
形式	Liquid
存放说明	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
背景	Domain: The C-terminal part of the protein is essential for the dimerization and interaction with ATG3 and ATG12. The N-terminal FAP motif (residues 15 to 17) is essential for the formation of the ATG89-PE and ATG5-ATG12 conjugates. Function: E1-like activating enzyme involved in the 2 ubiquitin-like systems required for cytoplasm to vacuole transport (Cvt) and autophagy. Activates ATG12 for its conjugation with ATG5 as well as the ATG8 family proteins for their conjugation with phosphatidylethanolamine. Both systems are needed for the ATG8 association to Cvt vesicles and autophagosomes membranes. Required for autophagic death induced by caspase-8 inhibition. Required for mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Modulates p53/TP53 activity to regulate cell cycle and survival during metabolic stress. Plays also a key role in the maintenance of axonal homeostasis, the prevention of axonal degeneration, the maintenance of hematopoietic stem cells, the formation of Paneth cell granules, as well as in adipose differentiation. PTM: Acetylated by EP300. Similarity: Belongs to the ATG7 family. Tissue specificity: Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.
应用	

The Abpromise guarantee      **Abpromise™**承诺保证使用ab94329于以下的经测试应用

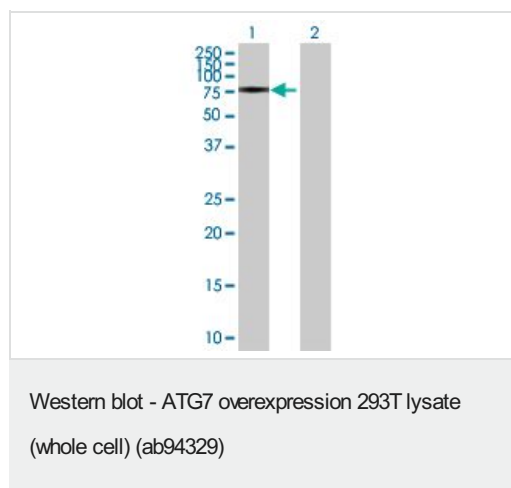
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent dilution.

## 图片



ab94329 at 15µg/lane on an SDS-PAGE gel.



**All lanes :** Anti-ATG7 antibody ([ab89775](#)) at 1/500 dilution

**Lane 1 :** ATG7 overexpression 293T lysate (whole cell) (ab94329)

**Lane 2 :** 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes :** Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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