Datasheet for ABIN2468251

ATG5 Protein (AA 1-275) (His tag)

1 Image

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Overview

Quantity:	0.05 mg
Target:	ATG5
Protein Characteristics:	AA 1-275
Origin:	Human, Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG5 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Mass Spectrometry (MS), Neutralization (Neut)

Product Details

Purity:	~95 %

Target Details

Target:	ATG5
Alternative Name:	ATG5 (ATG5 Products)
Background:	Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components (1,2). This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein APG1 (3). ATG5, another member of the autophagy protein family, forms a conjugate with ATG12 , this conjugate has a

Target Details

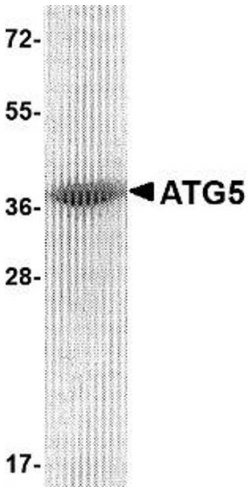
	ubiquitin-protein ligase (E3)-like activity for protein lipidation in autophagy (4). This conjugate also associates with innate immune response proteins such as RIG-I and VISA (also known as IPS-1), inhibiting type I interferon production and permitting viral replication in host cells (5).
Molecular Weight:	34 kDa (Calculated)
Gene ID:	9474
OMIM:	10285391
UniProt:	A9UGY9
Pathways:	Activation of Innate immune Response, Production of Molecular Mediator of Immune Response , Autophagy

Application Details

Application Notes:	This recombinant protein can be used for WB, ELISA, MS and neutralization assays.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	1X PBS containing 10 % glycerol
Handling Advice:	Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-80 °C
Storage Comment:	Store in working aliquots at -70 °C.



Western Blotting

Image 1.

