

## Product Datasheet

# Phospho-ATG1 (Ser556) Rabbit Polyclonal Antibody (orb5735)

<b>Catalog Number</b>	orb5735
<b>Category</b>	Antibodies
<b>Description</b>	Phospho-ATG1 (Ser556) Rabbit Polyclonal Antibody
<b>Target</b>	ULK1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Rabbit, Rat
<b>Predicted Reactivity</b>	Equine, Mouse, Porcine
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	KLH conjugated Synthesised phosphopeptide derived from human ATG1/ULK1 around the phosphorylation site of Ser556 LH(p-S)AP
<b>UniProt ID</b>	<b>O75385</b>

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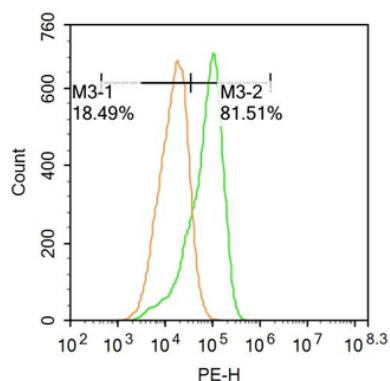
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<b>RRID</b>	AB_10952506
<b>MW</b>	116 kDa
<b>Tested applications</b>	ELISA, FC, ICC, IF, IHC-Fr, IHC-P
<b>Dilution range</b>	IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:100-500, IF=1:100-500, Flow-Cyt=3ug/test, ELISA=1:5000-10000
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Blank control: A549. Primary Antibody (green line): Rabbit Anti-Phospho-ATG1 (Ser556) antibody (orb5735), dilution: 1 µg/10<sup>6</sup> cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE, dilution: 3 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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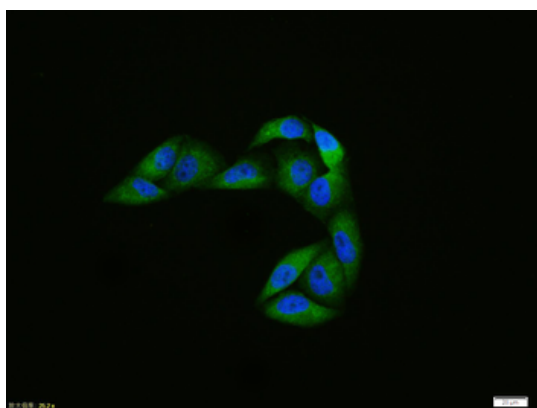
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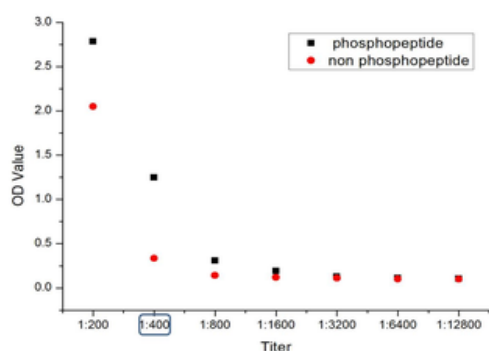
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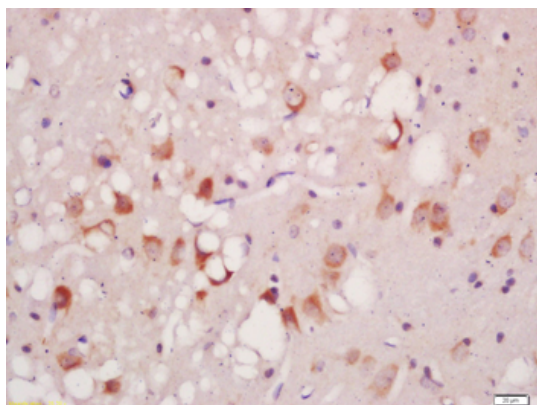
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Hela cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (Phospho-ATG1 (Ser556)) polyclonal Antibody, Unconjugated (orb5735) 1:100, 90 minutes at 37°C, followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.



phosphopeptide, non phosphopeptide.



Tissue/Cell: rat brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Phospho-ATG1 (Ser556) Polyclonal Antibody, Unconjugated (orb5735) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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