

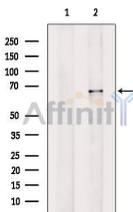
## Phospho-Atg14 (Ser29) Ab

Cat.#: AF2320  
 Size: 100ul,200ul

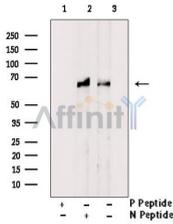
Concn.: 1mg/ml  
 Source: Rabbit

Mol.Wt.: 65kDa  
 Clonality: Polyclonal

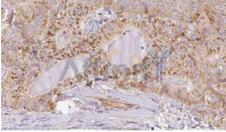
- Application:** WB 1:500-1:2000, IHC 1:50-1:200
- Reactivity:** Human,Mouse
- Purification:** The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
- Specificity:** Phospho-Atg14 (Ser29) Ab detects endogenous levels of Atg14.
- Immunogen:** A synthesized peptide derived from human Atg14 around the phosphorylation site of Ser29.
- Uniprot:** Q6ZNE5
- Subcellular Location:** Cytoplasm. Endoplasmic reticulum. Cytosolic under nutrient-rich conditions. Following autophagy stimuli, such as starvation or rapamycin induction, predominantly detected in cytoplasmic foci, identified as isolation membranes and autophagosomes.
- Similarity:** The coiled-coil domain is required for BECN1- and PIK3C3-binding and for autophagy.The final 80 residues in the C-terminus define a minimum required region for autophagosome binding called BATS.The N-terminal cysteine repeats are required for proper localization to the endoplasmic reticulum.Belongs to the ATG14 family.
- Storage Condition and Buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts from Serum-starved EC304 cells, using Phospho-Atg14 (Ser29) Ab. The lane on the left was treated with blocking peptide.



Western blot analysis of extracts from A172 cells, using Phospho-Atg14 (Ser29) Ab. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



AF2320 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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