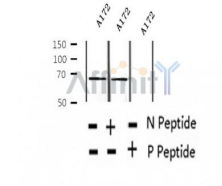
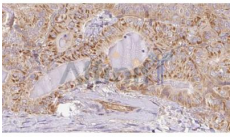
# Phospho-Atg14 (Ser29) Ab

| | | |
|---|---|---|
| Cat.#: AF2320 | Concn.: 1mg/ml | Mol.Wt.: 65kDa |
| Size: 100ul,200ul | Source: Rabbit | 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- 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 of A172 cells, using Phospho-Atg14 (Ser29) Ab.



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.