

## Phospho-ULK1 (Ser556) Ab

Cat.#: AF7148	Concn.: 1mg/ml	Mol.Wt.: 120kDa
Size: 50ul,100ul,200ul	Source: Rabbit	Clonality: Polyclonal

**Application:** WB 1:500-1:2000, IHC 1:50-1:200

**Reactivity:** Human,Mouse,Rat

**Purification:** The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

**Specificity:** Phospho-ULK1 (Ser556) Ab detects endogenous levels of ULK1 only when phosphorylated at Ser556

**Immunogen:** A synthesized peptide derived from human ULK1 around the phosphorylation site of Ser556

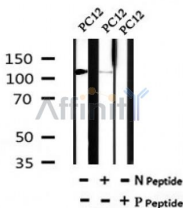
**Uniprot:** O75385

**Subcellular Location:** Cytoplasm, cytosol. Preautophagosomal structure. Under starvation conditions, is localized to punctate structures primarily representing the isolation membrane that sequesters a portion of the cytoplasm resulting in the formation of an autophagosome.

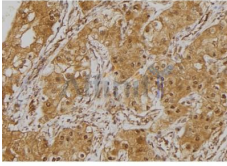
**Tissue Specificity:** Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.

**Similarity:** Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. APG1/unc-51/ULK1 subfamily.

**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



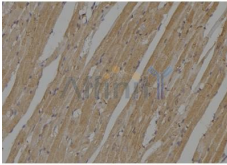
Western blot analysis of Phospho-ULK1 (Ser556) in lysates of PC12 , using Phospho-ULK1 (Ser556) Ab(AF7148).



AF7148 at 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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.



AF7148 at 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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.



AF7148 at 1/100 staining mouse heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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 Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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