

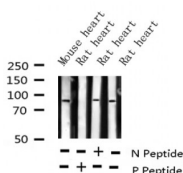
## Phospho-ATRIP (Ser68) Ab

Cat.#: AF3468  
Size: 100ul, 200ul

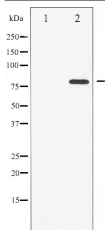
Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 80kDa  
Clonality: Polyclonal

|                               |                                                                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application:                  | WB 1:500-1:2000, IF/ICC 1:100-1:500                                                                                                                           |
| 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-ATRIP (Ser68) Ab detects endogenous levels of ATRIP only when phosphorylated at Serine 68.                                                            |
| Immunogen:                    | A synthesized peptide derived from human ATRIP around the phosphorylation site of Serine 68.                                                                  |
| Uniprot:                      | Q8WXE1                                                                                                                                                        |
| Description:                  | ATRIP is required for checkpoint signaling after DNA damage. Required for ATR expression, possibly by stabilizing the protein.                                |
| Subcellular Location:         | Nucleus. Redistributes to discrete nuclear foci upon DNA damage.                                                                                              |
| Tissue Specificity:           | Ubiquitous.                                                                                                                                                   |
| Similarity:                   | The EEXXXDDL motif is required for the interaction with catalytic subunit PRKDC and its recruitment to sites of DNA damage. Belongs to the ATRIP 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 Phospho-ATRIP (Ser68) expression in various lysates



Western blot analysis of ATRIP phosphorylation expression in NIH-3T3 whole cell lysates. The lane on the left is treated with the antigen-specific peptide.



AF3468 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

**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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