

# ARG52233 anti-ATRIP phospho (Ser239) antibody

Package: 50 μl Store at: -20°C

# Summary

| Product Description | Rabbit Polyclonal antibody recognizes ATRIP phospho (Ser239)  |
|---------------------|---|
| Tested Reactivity   | Ms  |
| Predict Reactivity  | Hu, Bov, NHuPrm, Sheep  |
| Tested Application  | WB  |
| Host                | Rabbit  |
| Clonality           | Polyclonal  |
| Isotype             | lgG   |
| Target Name         | ATRIP   |
| Species             | Human   |
| Immunogen           | Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser239 conjugated to KLH |
| Conjugation         | Un-conjugated   |
| Alternate Names     | ATR-interacting protein; ATM and Rad3-related-interacting protein                                   |

#### **Application Instructions**

| Application table | Application   | Dilution   |
|-------------------|---|--|
|                   | WB  | 1:500  |
| Application Note  | Specific for the ~86k ATRIP protei<br>~32k.<br>* The dilutions indicate recomme<br>should be determined by the scie | n phosphorylated at Ser239. The antibody also recognizes a band at<br>ended starting dilutions and the optimal dilutions or concentrations<br>ntist. |

# Properties

| Form                | Liquid  |
|---------------------|---|
| Purification        | Affinity Purified   |
| Buffer              | 10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol   |
| Stabilizer          | 0.1 mg/ml BSA, 50% Glycerol   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.  |

#### Bioinformation

| Database links | GeneID: 235610 Mouse  |
|----------------|---|
|                | Swiss-port # Q8BMG1 Mouse   |
| Gene Symbol    | ATRIP   |
| Gene Full Name | ATR interacting protein   |
| Background     | ATRIP, ATR interacting protein, binds to ATR to regulate ATR expression, and is an essential component<br>of the DNA damage checkpoint pathway (Cortez et al, 2001). ATR is recruited to DNA lesions in part<br>through its association with ATRIP, which in turn interacts with the single-stranded DNA binding protein<br>RPA (Ball et al, 2007). DNA replication forks may stall as a result of DNA damage causing<br>phosphorylation of several proteins, including BRCA1 when colocalizing with ATR/ATRIP complex and<br>RPA (Venere et al, 2007). The DNA replication fork stall coincides with BRCA1 directly phosphorylating<br>ATRIP at ser239 (Venere et al, 2007). |
| Research Area  | Gene Regulation antibody  |
| Calculated Mw  | 86 kDa  |
| PTM            | Phosphorylated by ATR.  |

#### Images



#### ARG52233 anti-ATRIP phospho (Ser239) antibody WB image

Western blot: Mouse testis lysate showing specific immunolabeling of the ~86kd ATRIP protein phosphorylated at Ser 239 (control) stained with ARG52233 anti-ATRIP phospho (Ser239) antibody. Phosphospecificity is shown in the second lane (lambdaphosphatase:  $\lambda$ -Ptase).

The blot is identical to the control except that the lysate was incubated in  $\lambda$ -Ptase (800 units/1mg protein for 30 min). The immunolabeling is completely eliminated by treatment with  $\lambda$ -Ptase.