

## ATM RABBIT MAB

**Cat.#:** N261632

**Product Name:** Anti-ATM Rabbit Monoclonal Antibody

**Synonyms:** ATM; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated

**UNIPROT ID:** Q13315

**Background:** The protein encoded by this gene belongs to the PI3/PI4-kinase family. This protein is an important cell cycle checkpoint kinase that phosphorylates; thus, it functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for cell response to DNA damage and for genome stability.

**Immunogen:** A synthetic peptide of human ATM

**Applications:** WB, ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R08-8H3

**MW:** Calculated MW: 351 kDa; Observed MW: 351 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human

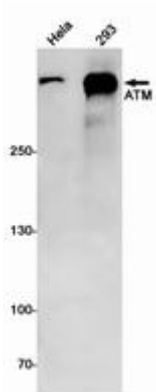
**Conjugation:** Unconjugated

**Modification:** Unmodified

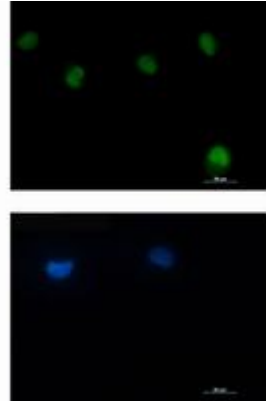
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Epigenetics and Nuclear Signaling

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of ATM in HeLa, 293 lysates using ATM antibody.



Immunocytochemistry analysis of ATM (green) in HT-1080 using ATM antibody, and DAPI (blue).