

# Anti-ATM [ATM 11G12]

**Catalogue number:** 151333

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:**

**Institute:** University of Birmingham

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-ATM [ATM 11G12]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** The ATM protein is a member of the phosphatidylinositol-3 kinase family of proteins that respond to DNA damage by phosphorylating key substrates involved in DNA repair and/or cell cycle control. It is thought that the activation of ATM by autophosphorylation might be the initiating event of cellular responses to irradiation. The classic form of ataxia telangiectasia, an autosomal recessive cerebellar ataxia, results from the presence of two truncating ATM mutations, leading to a total loss of the ATM protein.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Residues 992-1144 of ATM fusion protein

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Ataxia Telangiesctasia Mutated (ATM)

**Target alternate names:**

**Target background:** The ATM protein is a member of the phosphatidylinositol-3 kinase family of proteins that respond to DNA damage by phosphorylating key substrates involved in DNA repair and/or cell cycle control. It is thought that the activation of ATM by autophosphorylation might be the initiating event of cellular responses to irradiation. The classic form of ataxia telangiectasia, an autosomal recessive cerebellar ataxia, results from the presence of two truncating ATM mutations, leading to a total loss of the ATM protein.

**Molecular weight:** 370 kDa

**Ic50:**

## Applications

**Application:** IF ; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -80° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Clements PM et al. 2004. DNA Repair (Amst). 3(11):1493-502. PMID: 15380105

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