# ATM Monoclonal Antibody
**CAB19650**

## Description

This ATM Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

| | |
|---|---|
| **SKU:** | CAB19650 |
| **Contents:** | 20 µL, 100 µL |
| | Bradford Reagent: 1 vial (2ml) |
| **Category:** | Monoclonal Antibody |
| **Synonyms:** | AT1, ATA, ATC, ATD, ATE, ATDC, TEL1, TELO1, ATM |
| **Clone:** | ARC0129 |
| **Applications:** | WB IHC-P ELISA |
| **Conjugation:** | Unconjugated |
| **Reactivity:** | Human, Mouse |

## Antibody Data

| | |
|---|---|
| **Gene ID:** | 472 |
| **Uniprot:** | AB_2862715 |
| **Host Species:** | Rabbit |
| **Purification:** | Affinity purification |
| **Observed MW:** | 350kDa |
| **Calculated MW:** | 351kDa |

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

# Preparation & Storage

**Storage:** Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.
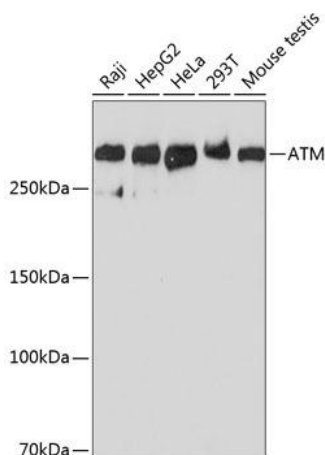Store Bradford Reagent at Room Temperature for 1 Year.

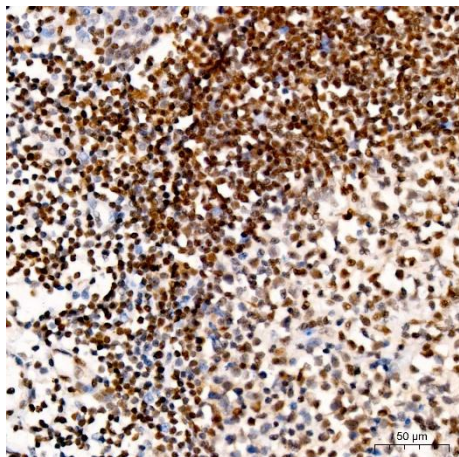**Positive Sample:** Raji, HepG2, HeLa, 293T, Mouse testis

**Recommended Dilutions:**

| WB | 1:1000 - 1:2000 |
|---|---|
| IHC-P | 1:100 - 1:1000 |
| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

# Validation Data



Western blot analysis of various lysates using ATM Rabbit mAb (CAB19650) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.

Immunohistochemistry analysis of paraffin-embedded Human tonsil using ATM Rabbit mAb (CAB19650) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.