

**ATM PAB****ATM Polyclonal Antibody****Cat. #:** 21276**Gene Symbol:** ATM**Description:** Anti-ATM Rabbit Polyclonal Antibody

**Background:** Ataxia telangiectasia mutated (ATM) is a serine/threonine protein kinase that is recruited and activated by DNA double-strand breaks. It phosphorylates several key proteins that initiate activation of the DNA damage checkpoint, leading to cell cycle arrest, DNA repair or apoptosis. Activity of ATM protein is under tight control, and mutation of ATM can cause disease such as Ataxia telangiectasia (AT) and cancers.

**Immunogen:** Purified ATM protein, human origin.**Applications:** ELISA, WB, IHC**Recommended Dilutions:**

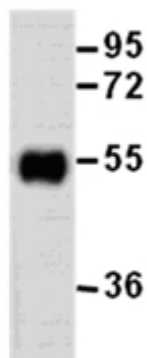
ELISA: 1:1000–1:5000

WB: 1:100–1:1000

IHC: 1:50–1:200

**Concentration:** 0.2 mg/ml**Host Species:** Rabbit**Format:** Liquid**Clonality:** Polyclonal**Isotype:****Purity:** Purified from serum**Preservative:** No**Constituents:** PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol**Species Reactivity:** Recognizes ATM of vertebrates.**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid repeated freezing and thawing**Western blot:**

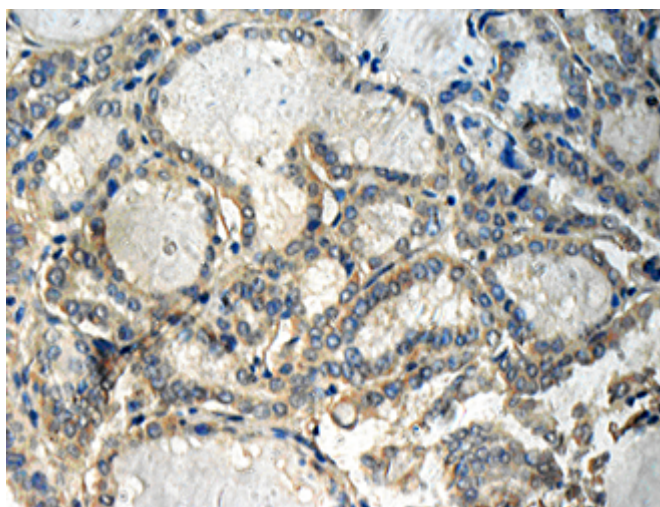
## ATM protein



WB: Anti-ATMpAb

**Western blot analysis of recombinant ATM protein.** Purified His-tagged ATM protein was blotted with Anti-ATM rabbit polyclonal antibody (Cat. #21276).

## Immunohistochemistry:



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue with Anti-ATM polyclonal antibody (Cat. #21276). Tissue samples were fixed with formaldehyde and blocked with 1% serum for 15 min at 37 °C. Antigen retrieval was by heat mediation in citrate buffer (pH6). Samples were then incubated with primary antibody (1:50 dilution) overnight at 4°C. A HRP-conjugated Goat anti-mouse IgG (1:50 dilution) was used as secondary antibody.