Product Description

Pioneering GTPase and Oncogene Product Development since 2010

ATM

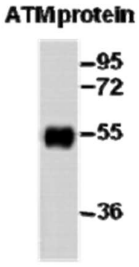
Catalog Number: 21276
Gene Symbol: ATM
Description: Anti-ATM Rabbit Polyclonal Antibody

Background: Ataxia telangiectasia mutated (ATM) is a serine/threonine protein kinase that isrecruited 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, humanorigin.
Tested Applications: ELISA, WB, IHC
Recommended Dilutions:

ELISA:	1:1000-1:5000
WB:	1:500-1:1000
IHC:	1:50-1:200

Concentration:0.2 mg/ml
Host: Rabbit
Clonality: Polyclonal
Purity: Purified from serum
Format: Liquid
Preservative: No
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes ATM of vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

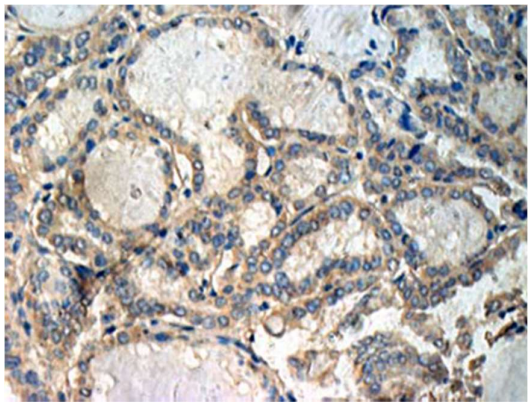
Western blot:



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.

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