ATM Mouse Monoclonal Antibody

E10-30173

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. Mutations in this gene are associated with ataxia telangiectasia, an autosomal recessive disorder.Tissue specificity: Found in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain, heart, spleen, thymus, testis, ovary, small intestine, colon and leukocytes.

Catalog Number: E10-30173

Amount: 100μg/100μl

Clone Number: 5C5

Species: Mouse IgG1

MW: 351kDa

Aliases: AT1; ATA; ATC; ATD; ATE; ATDC; TEL1; TELO1; MGC74674; DKFZp781A0353; ATM

Entrez Gene: 472

Immunogen: Purified recombinant fragment of human ATM expressed in E. Coli.

Storage: Store at 4℃, for long term storage, store at -20℃.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, ELISA: Propose dilution 1/10000.

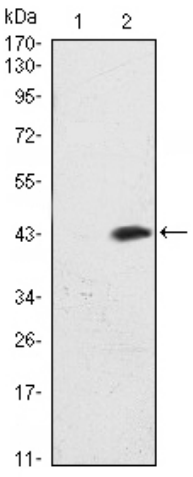
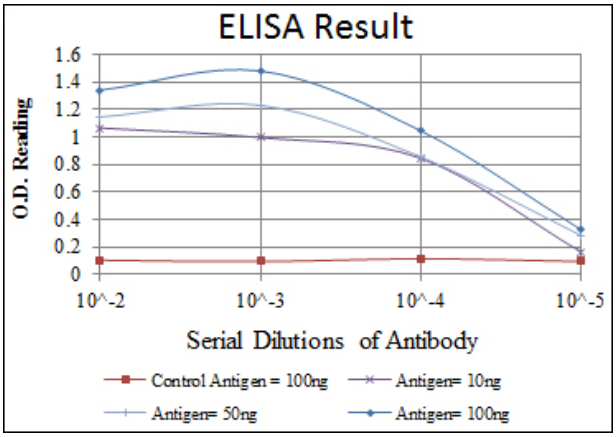


Figure 1: Western blot analysis using ATM mAb against HEK293 (1) and ATM-hIgGFc transfected HEK293 (2) cell lysate.



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