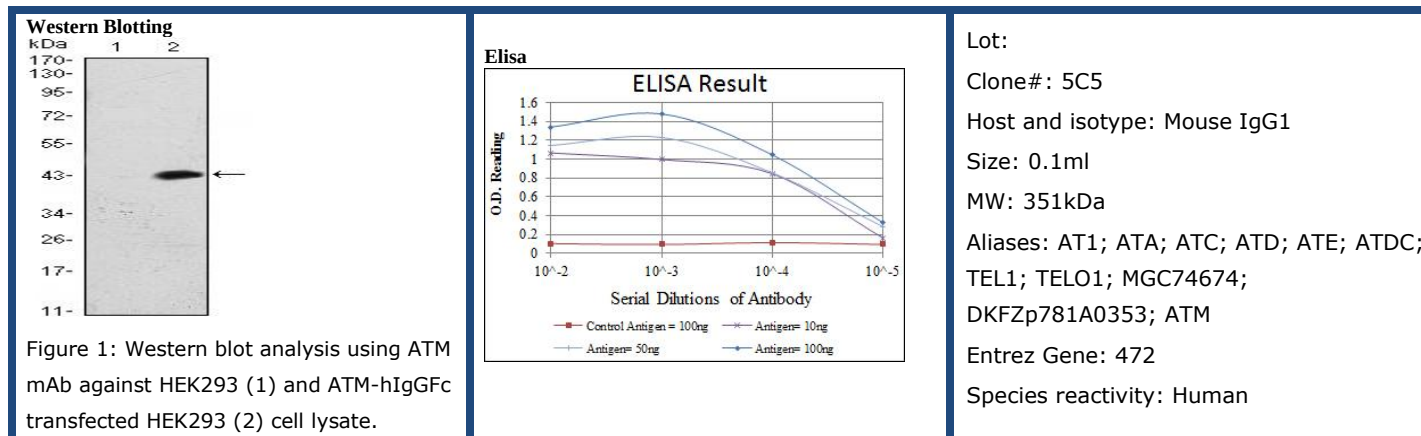




Category: Monoclonal Antibodies Cat. #: MAB-606030173

Product Name: Mouse Monoclonal Antibody to ATM



Description

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.

Immunogen

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

Applications

Western Blotting: 1/500 - 1/2000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4°C, for long term storage, store at -20°C.

Related product

References

1. Am J Hum Genet. 2008 Aug;83(2):243-53.
2. Mol Cell. 2008 Jul 25;31(2):167-77.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com