

Anti-ATM interactor ATMIN Antibody

Catalog Number: A06542

About ATMIN

The ATM/ATR-substrate CHK2-interacting zinc finger protein (ATMIN), also known as ASCIZ, forms DNA damage-induced nuclear foci that contain the DNA repair protein Rad51 (1). ATMIN is also thought to be involved in embryonic development, as an absence of ATMIN causes late-embryonic lethality in mice with a range of organ development defects (2). It also activates the transcription DYNLL1, a light chain of the dynein motor complex and sequence-specific regulator of protein dimerization of numerous targets. DYNLL1 can bind to and inhibit the transcription activation domain of ATMIN, forming a simple dynamic feedback loop for DYNLL1 expression (3).

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Overview

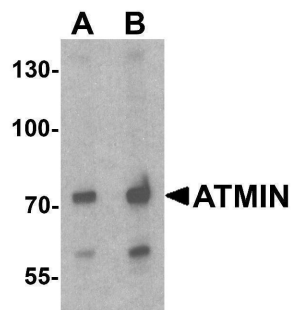
Product Name	Anti-ATM interactor ATMIN Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ATM interactor ATMIN Antibody (Catalog # A06542). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	ATMIN Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ATMIN antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	O43313

Technical Details

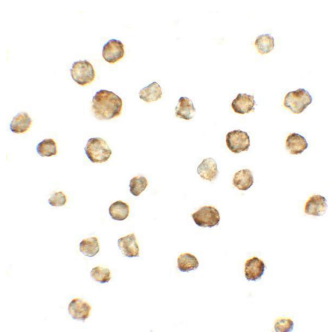
Immunogen	ATMIN antibody was raised against a 19 amino acid peptide near the amino terminus of human ATMIN. The immunogen is located within amino acids 200 - 250 of ATMIN.
Predicted Reactive Species	Bovine
Cross Reactivity	ATMIN antibody is human, mouse and rat reactive. At least three isoforms of ATMIN are known to exist.

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ATMIN antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ATMIN antibody can be used for detection of ATMIN by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunocytochemistry at 5 ug/mL. For Immunofluorescence start at 2.5 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

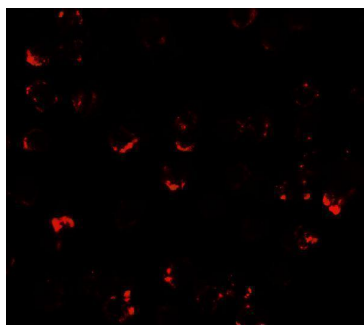
Anti-ATM interactor ATMIN Antibody (A06542) Images



Western blot analysis of ATMIN in 293 cell lysate with ATMIN antibody at (A) 1 and (B) 2 ug/ml.



Immunocytochemistry of ATMIN in A431 cells with ATMIN antibody at 5 ug/mL.



Immunofluorescence of ATMIN in A431 cells with ATMIN antibody at 2.5 ug/mL.

Anti-ATM interactor ATMIN Antibody

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