BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-Rkhd4 MEX3A Antibody

**Catalog Number:** A15239

## About MEX3A

Rkhd4, also known as MEX3A is a member of a novel family of four homologous human MEX3 proteins each containing two heterogeneous nuclear ribonucleoprotein K homology (KH) domains and one carboxy-terminal RING finger module. MEX3 proteins, including Rkhd4, are phosphoproteins that bind RNA through their KH domains and shuttle between the nucleus and the cytoplasm via the CRM1 export pathway. These proteins are a novel family of evolutionarily conserved RNA-binding proteins, differentially recruited to P bodies and potentially involved in post-transcriptional regulatory mechanisms. While Rkhd2 has been suggested to be associated with susceptibility to essential hypertension type 8, the function of Rkhd4 remains unknown. Rkhd3 and Rkhd4, but not Rkhd2, co-localize with both the hDcp1a decapping factor and Argonaute (Ago) proteins in processing bodies (P bodies), recently characterized as centers of mRNA turnover.

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## Overview

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|---|---|
| Product Name | Anti-Rkhd4 MEX3A Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Rkhd4 MEX3A Antibody (Catalog # A15239). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | Rkhd4 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | Rkhd4 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | A1L020 |

## Technical Details

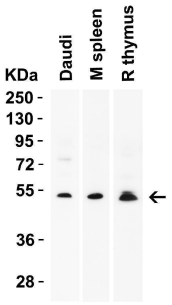
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| Immunogen | Rkhd4 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Rkhd4. The immunogen is located within amino acids 420 - 470 of Rkhd4. |

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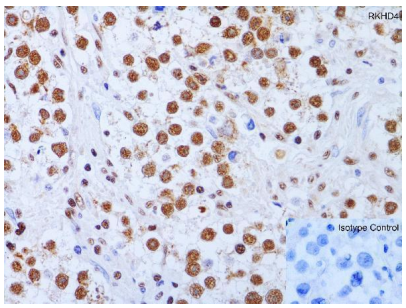
| | |
|---|---|
| Predicted Reactive Species | Bovine |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | Rkhd4 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | WB: 1-4 ug/mL; IHC-P: 1-2 ug/mL.<br>Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in human, mouse, and rat samples. All other applications and species not yet tested. |

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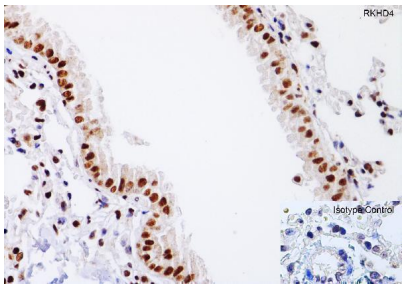
# Anti-Rkhd4 MEX3A Antibody (A15239) Images



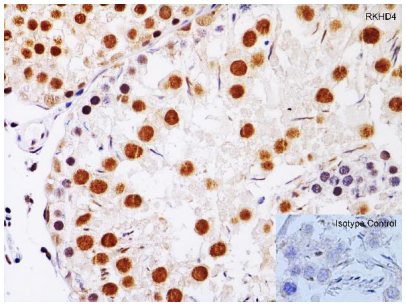

WB Validation in Human, Mouse and Rat Samples Loading: 15 ug of lysate Antibodies: RKHD4, A15239, 2 u g/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.




Immunohistochemistry Validation of RKHD4 in Human Testis Immunohistochemical analysis of paraffin-embedded human testis tissue using anti-RKHD4 antibody (A15239) at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4˚C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.




Immunohistochemistry Validation of RKHD4 in Mouse lung Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-RKHD4 antibody (A15239) at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4˚C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.




Immunohistochemistry Validation of RKHD4 in Rat Testis Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-RKHD4 antibody (A15239) at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4˚C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



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