BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-PLEKHM3 Antibody

**Catalog Number:** A16310

## About PLEKHM3

PLEKHM3, also known as DAPR, is a member of the M family of Pleckstrin homology domain-containing proteins. PLEKHM3 was initially identified through chromatin immunoprecipitation and CpG microarray analysis examining proteins regulated by myocyte-enhancing factor 2. In C2C12 myoblast cells, PLEKHM3 binds to the PI3K signaling member protein kinase B in the cytosol prior to differentiation into myotubes. Following the initiation of differentiation, PLEKHM3 was also found in membrane fractions. Knockdown of PLEKHM3 expression by RNAi resulted in the inhibition of myotube formation, suggesting that PLEKHM3 is a key component required by myoblasts for orchestrating their differentiation during myogenesis.

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## Overview

| | |
|---|---|
| Product Name | Anti-PLEKHM3 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-PLEKHM3 Antibody (Catalog # A16310). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, IF, IHC-P, WB |
| Clonality | Polyclonal |
| Formulation | PLEKHM3 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | PLEKHM3 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 | Q6ZWE6 |

## Technical Details

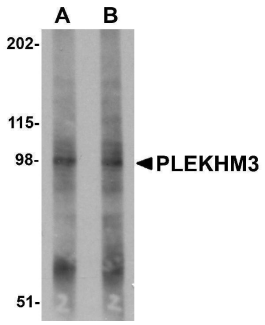
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|---|---|
| Immunogen | PLEKHM3 antibody was raised against a 13 amino acid synthetic peptide from near the carboxy terminus of human PLEKHM3. The immunogen is located within the last 50 amino acids of PLEKHM3. |
| Predicted Reactive Species | Pig |

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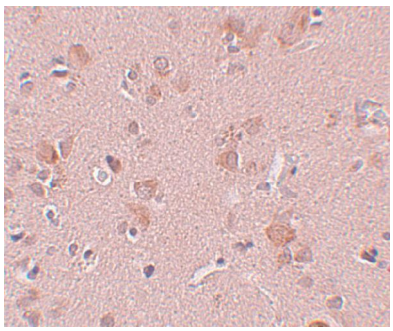
| | |
|---|---|
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | PLEKHM3 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | PLEKHM3 antibody can be used for detection of PLEKHM3 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.<br>Antibody validated: Western Blot in mouse samples; Immunohistochemistry 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. |

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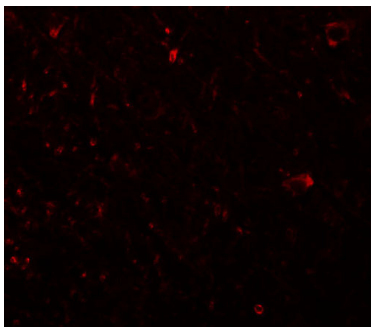
# Anti-PLEKHM3 Antibody (A16310) Images




Western blot analysis of PLEKHM3 in mouse skeletal muscle tissue lysate with PLEKHM3 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of PLEKHM3 in human brain tissue with PLEKHM3 antibody at 5 ug/mL.



Immunofluorescence of PLKHM3 in human brain tissue with PLKHM3 antibody at 20 ug/mL.

Anti-PLEKHM3 Antibody

For Research Use Only. Not for use in diagnostic procedures.