

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.

Overview

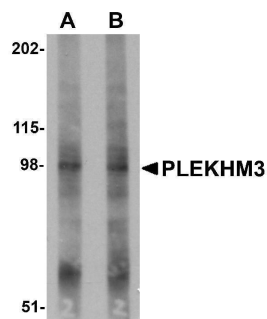
Product Name	Anti-PLEKHM3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PLEKHM3 Antibody (Catalog # A16310). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PLEKHM3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PLEKHM3 antibody can be stored at 4°C for three months and -20°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

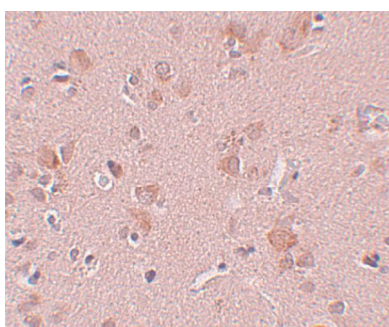
Immunogen	PLEKHM3 antibody was raised against a 13 amino acid synthetic peptide from near the carboxy terminus of human PLEKHM3. The immunogen is located within the last 50 amino acids of PLEKHM3.
Predicted Reactive Species	Pig
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

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. 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.

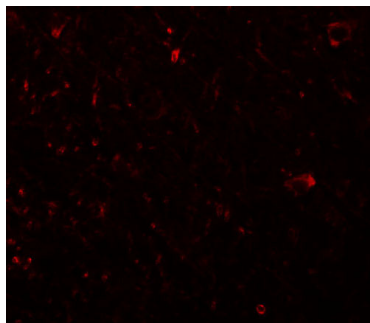
Anti-PLEKHM3 Antibody (A16310) Images



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 PLEKHM3 in human brain tissue with PLEKHM3 antibody at 20 ug/mL.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-PLEKHM3 Antibody

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