

PLEKHM3 Polyclonal Antibody

Catalog NumberPA5-20851

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	A 13 amino acid peptide from near the carboxy terminus of human PLEKHM3.	Immunohistochemistry (IHC)	5 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	1-2 µg/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is mouse skeletal muscle tissue lysate. PA5-20851 can be used with blocking peptide PEP-0965.

Background/Target Information

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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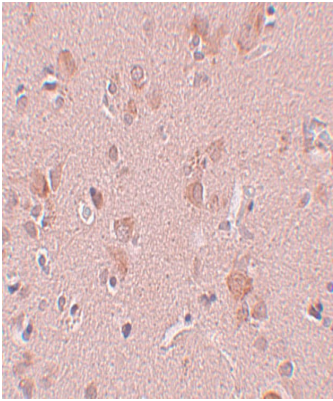
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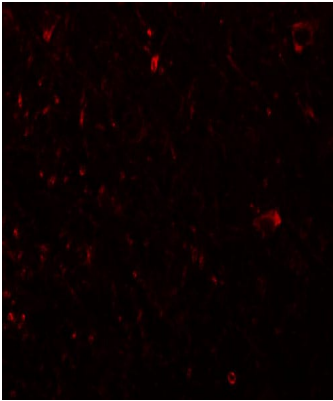
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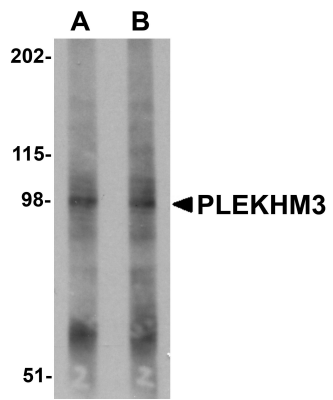
Product Images For PLEKHM3 Polyclonal Antibody



**PLEKHM3 Antibody (PA5-20851) in IHC**  
Immunohistochemistry of PLEKHM3 in human brain tissue with PLEKHM3 Polyclonal Antibody (Product # PA5-20851) at 5 µg/mL.



**PLEKHM3 Antibody (PA5-20851) in IHC**  
Immunofluorescence of PLKHM3 in human brain tissue with PLEKHM3 Polyclonal Antibody (Product # PA5-20851) at 20 µg/mL.



**PLEKHM3 Antibody (PA5-20851) in WB**  
Western Blot analysis of PLEKHM3 in mouse skeletal muscle tissue lysate with PLEKHM3 Polyclonal Antibody (Product # PA5-20851) at (A) 1 and (B) 2 µg/mL.

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