

PPAPDC3 Polyclonal Antibody

Catalog NumberPA5-20866

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 19 amino acid peptide from near the amino of terminus human PPAPDC3.	Immunohistochemistry (IHC)	20 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 heart tissue lysate. PA5-20866 can be used with blocking peptide PEP-0980.

Background/Target Information

PPAPDC3, also known as nuclear envelope transmembrane protein 39 (NET39), was initially discovered in an in silico screen for secreted or membrane proteins. It is a member of the PAP2 superfamily of phosphatases and haloperoxidases. PPAPDC3 has recently been shown to act as a negative regulator of myoblast differentiation by diminishing the activity of the mammalian target of rapamycin TOR. PPAPDC3 is highly expressed in cardiac and skeletal muscle and becomes strongly upregulated during cultured myoblast differentiation tissues. Overexpression of PPAPDC3 in myoblasts repressed myogenesis while knockdown by RNA interference promoted differentiation indicating its part in the regulatory mechanism for myogenesis.

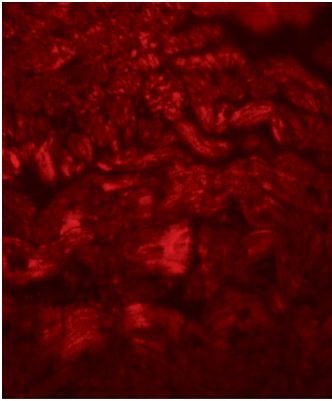
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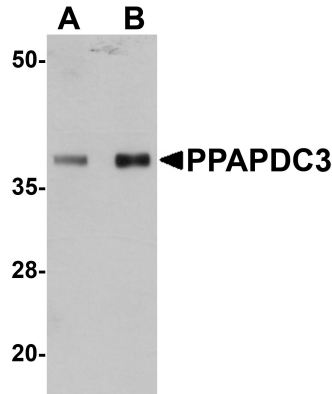
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Product Images For PPAPDC3 Polyclonal Antibody



PPAPDC3 Antibody (PA5-20866) in IHC
Immunofluorescence of PPAPDC3 in mouse heart tissue with PPAPDC3 Polyclonal Antibody (Product # PA5-20866) at 20 µg/mL.



PPAPDC3 Antibody (PA5-20866) in WB
Western Blot analysis of PPAPDC3 in mouse heart tissue lysate with PPAPDC3 Polyclonal Antibody (Product # PA5-20866) at (A) 1 and (B) 2 µg/mL.

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