

M-cadherin Polyclonal Antibody

Catalog NumberPA5-11489

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 739-767 amino acids from the C-terminal region of human M Cadherin (CDH15)	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.32 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

Cadherins are a multigene family of Ca⁺⁺-dependent cell adhesion molecules. They are transmembrane glycoproteins consisting of an extracellular domain, which mediates Ca⁺⁺-dependent intercellular adhesion by homophilic interactions, a transmembrane region and a cytoplasmic domain. The extracellular domain is divided into a series of subdomains designated EC1-EC5. Homologies between different members of the cadherin family are most prominent in the cytoplasmic domain and in EC1 and EC2 and much less so in EC5 of the extracellular domain and in the transmembrane region. The binding properties and specificities of the adhesive function are located in the N-terminal part of the molecules. Four members of the cadherin family have been identified and molecularly cloned from mammalian cells. These include the neuronal (N), epithelial (E), placental (P) and muscle (M) cadherins. M-cadherin is not found in fibroblasts but is expressed at low level in myoblasts and is upregulated following induction of myotube formation, suggesting a specific function in skeletal muscle cell differentiation.

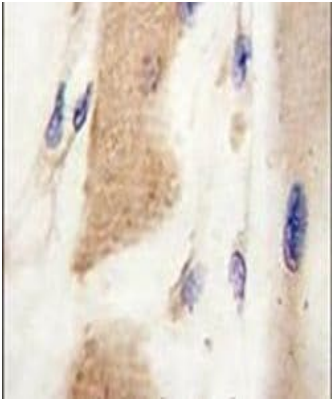
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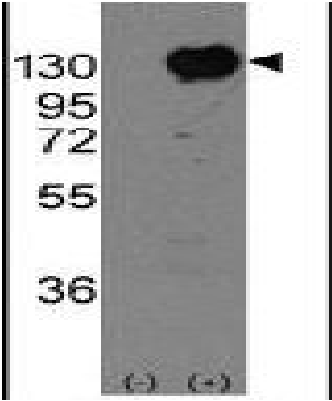
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Product Images For M-cadherin Polyclonal Antibody



M-cadherin Antibody (PA5-11489) in IHC (P)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human skeletal muscle tissue using a M Cadherin polyclonal antibody (Product # PA5-11489), followed by HRP-conjugated secondary antibody and DAB staining.



M-cadherin Antibody (PA5-11489) in WB

Western blot analysis of CDH15 (arrow) using a M Cadherin polyclonal antibody (Product # PA5-11489) in 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the CDH15 gene (Lane 2).

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