

CYR61 Polyclonal Antibody, Biotin

Catalog NumberPA5-22762

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rabbit
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	A synthetic peptide made to the human CYR61 protein sequence (between residues 150-250).		
Conjugate	Biotin	Immunohistochemistry (Paraffin) (IHC (P))	1:100
Form	Liquid	Western Blot (WB)	1:200
Concentration	0.5 mg/mL	Immunocytochemistry (ICC/IF)	1:10-1:500
Purification	Antigen affinity chromatography	* 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.	
Storage buffer	PBS		
Contains	0.05% sodium azide		
Storage Conditions	4° C, store in dark		

Product specific information

This antibody is predicted to react with rat and mouse based on 88% sequence homology.

Background/Target Information

CYR61 is a secreted heparin binding protein, encoded by a growth factor inducible immediate-early gene that associates with the extracellular matrix and connective tissue. CYR61 is a member of a distinct family of angiogenic and vasculogenic regulators designated CCN proteins, which includes connective tissue growth factor (CTGF) and the mouse CYR61 homolog, Fisp12. As an angiogenic inducer, CYR61 binds to the cell surface receptor integrin alphavbeta3, where it then stimulates cell adhesion and migration and promotes DNA synthesis of human vascular endothelial cells. Expression of CYR61 is elevated during vessel growth, wound healing and chondrocyte differentiation. CYR61 is also detected in a wide variety of tumors as it induces tumor growth and functions as a marker of tumor progression.

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