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Performance guaranteed

CYR61 Polyclonal Antibody, DyLight™ 488

Catalog Number PA5-22764

Product data sheet

Details

Size	100 µL
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	A synthetic peptide made to the human CYR61 protein sequence (between residues 150-250).
Conjugate	DyLight™ 488
Form	Liquid
Concentration	0.55 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	50mM sodium borate
Contains	no preservative
Storage Conditions	4° C, store in dark

Species Reactivity

Species reactivity	Human, Mouse, Rabbit

Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	1:100
Western Blot (WB)	1:200
Immunocytochemistry (ICC/IF)	1:10-1:500

* 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.

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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