



Rabbit Anti-Human CYR61 polyclonal antibody (CABT-L1741)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody may react with (Predicted by homology) : Bovine, Chicken, Dog, Mouse, Rabbit, Rat
Target	CYR61
Immunogen	Synthetic peptide corresponding to internal region of human CYR61.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	42 kDa
Cellular Localization	Cytoplasm
Positive Control	Colon, Placenta
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide

Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
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BACKGROUND

Introduction	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 α v β 3, 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.
Keywords	CYR61;cysteine-rich, angiogenic inducer, 61;CCN1;GIG1;IGFBP10;protein CYR61;IBP-10;IGFBP-10;CCN family member 1;IGF-binding protein 10;cysteine-rich, anigogenic inducer, 61;cysteine-rich heparin-binding protein 61;insulin-like growth factor-binding protein 10

GENE INFORMATION

Entrez Gene ID	3491
UniProt ID	O00622