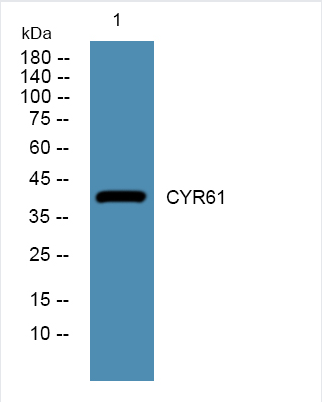
CYR61 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CYR61, Polyclonal Antibody
Full Product Name	CYR61 Rabbit Polyclonal Antibody
Product Gene Name	anti-CYR61 antibody
Product Synonym Gene Name	CYR61, CCN1, GIG1, IGFBP10
Product Synonym Names	BH6842; Protein CYR61 (CCN family member 1)(Cysteine-rich angiogenic inducer 61)(Insulin-like growth factor-binding protein 10)(IBP-10)(IGF-binding protein 10)(IGFBP-10)(Protein GIG1)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	CYR61 Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	381
OMIM	602369
3D Structure	ModBase 3D Structure for O00622
Immunogen	Synthesized peptide derived from part region of human protein
Modification	Unmodified/Total
Applications Tested/Suitable for anti-CYR61 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CYR61 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-CYR61 antibody	The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and Extracellular matrix formation. [provided by RefSeq, Sep 2011]
Other Notes	Small volumes of anti-CYR61 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CYR61 purchase	MBS9514142 is an antibody targeting CYR61. Also known as CYR61 Rabbit Polyclonal Antibody. Reactive in Human, Rat, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CYR61 antibody
Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYR61. It may not necessarily be applicable to this product.

NCBI GI #	3023601
NCBI GeneID	3491
NCBI Accession #	O00622.1
UniProt Primary Accession #	O00622
UniProt Secondary Accession #	O14934; O43775; Q9BZL7
UniProt Related Accession #	O00622
NCBI Official Full Name	Protein CYR61
NCBI Official Synonym Full Names	cysteine-rich, angiogenic inducer, 61
NCBI Official Symbol	CYR61
NCBI Official Synonym Symbols	CCN1; GIG1; IGFBP10
UniProt Protein Name	Protein CYR61
UniProt Synonym Protein Names	CCN family member 1; Cysteine-rich angiogenic inducer 61; Insulin-like growth factor-binding protein 10; IBP-10; IGF-binding protein 10; IGFBP-10; Protein GIG1
Protein Family	Protein
UniProt Gene Name	CYR61
UniProt Synonym Gene Names	CCN1; GIG1; IGFBP10; IBP-10; IGF-binding protein 10; IGFBP-10
UniProt Entry Name	CYR61_HUMAN
NCBI Protein Information	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

UniProt Comments for CYR61	CYR61: Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up- regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CYR61-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-v/beta-5 and cell proliferation through integrin alpha-v/beta-3. Belongs to the CCN family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 1p22.3 Cellular Component: extracellular matrix; proteinaceous extracellular matrix Molecular Function: heparin binding; integrin binding; insulin-like growth factor binding; extracellular matrix binding Biological Process: anatomical structure morphogenesis; extracellular matrix organization and biogenesis; positive regulation of caspase activity; chemotaxis; intussusceptive angiogenesis; osteoblast differentiation; positive regulation of osteoblast differentiation; cell proliferation; cell-cell signaling; positive regulation of protein kinase activity; positive regulation of osteoblast proliferation; positive regulation of transcription from RNA polymerase II promoter; positive regulation of protein amino acid phosphorylation; regulation of cell growth; cell adhesion; positive regulation of BMP signaling pathway; negative regulation of apoptosis; positive regulation of cell migration
Research Articles on CYR61	**1.** integrin alpha(v) beta(3) and AMP-Activated Protein Kinases mediate CCN1-induced endothelial cell migration and tube formation independent of intracellular ATP levels alteration.
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