WISP-3 Polyclonal Antibody

Catalog No :	YT5840
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	WISP-3
Gene Name :	WISP3 CCN6 UNQ462/PRO790/PRO956
Protein Name :	WNT1-inducible-signaling pathway protein 3 (WISP-3) (CCN family member 6)
Human Gene Id :	8838
Human Swiss Prot No :	O95389
Mouse Gene Id :	327743
Mouse Swiss Prot No :	D3Z5L9
Immunogen :	The antiserum was produced against synthesized peptide derived from the N-terminal region of human WISP3. AA range:1-50
Specificity :	The antibody detects endogenous WISP-3
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 55kD

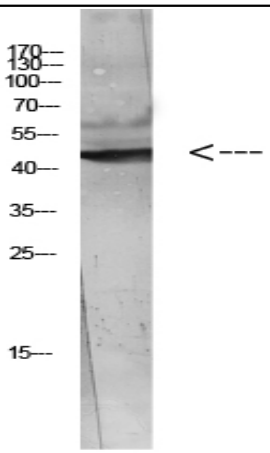
Background : This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. This gene is overexpressed in colon tumors. It may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Mutations of this gene are associated with progressive pseudorheumatoid dysplasia, an autosomal recessive skeletal disorder, indicating that the gene is essential for normal postnatal skeletal growth and cartilage homeostasis. Multiple

Function : disease:Defects in WISP3 are the cause of progressive pseudorheumatoid arthropathy of childhood (PPAC) [MIM:208230]. PPAC is an autosomal recessive disorder characterized by stiffness and swelling of joints, motor weakness and joint contractures. Signs and symptoms of the disease develop typically between three and eight years of age. This progressive disease is a primary disorder of articular cartilage with continued cartilage loss and destructive bone changes with aging.,function:Appears to be required for normal postnatal skeletal growth and cartilage homeostasis.,similarity:Belongs to the CCN family.,similarity:Contains 1 CTCK (C-terminal cystine knot-like) domain.,similarity:Contains 1 IGFBP N-terminal domain.,similarity:Contains 1 TSP type-1 domain.,tissue specificity:Predominant expression in adult kidney and testis and fetal kidney. Weaker expression found in placenta, ovary, pro

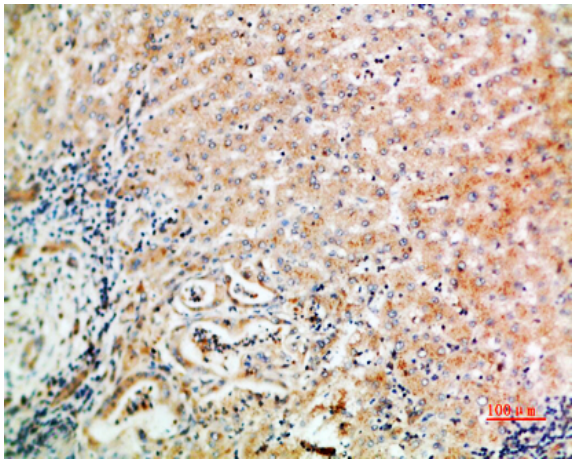
Subcellular Location : Secreted . Mitochondrion . Associated with membranes. .

Expression : Predominant expression in adult kidney and testis and fetal kidney. Weaker expression found in placenta, ovary, prostate and small intestine (PubMed:9843955, PubMed:10471507). Also expressed in skeletally-derived cells such as synoviocytes and articular cartilage chondrocytes (PubMed:10471507).

Products Images



Western blot analysis of Hela Cell Lysate using antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver-cancer, antibody was diluted at 1:200