



Rabbit Anti-WISP2 antibody

SL6132R

Product Name:	WISP2
Chinese Name:	Wnt1 诱导信号通路蛋白2 抗体
Alias:	CTGFL; CCN family member 5; CCN5; Connective tissue growth factor like protein; Connective tissue growth factor related protein 58; Connective tissue growth factor-like protein; Connective tissue growth factor-related protein 58; CT58; CTGF L; CTGFL; CTGF-L; WISP 2; WISP-2; Wisp2; WISP2_HUMAN; WNT1 inducible signaling pathway protein 2; WNT1-inducible-signaling pathway protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	24kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human WISP2:101-200/250
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	WISP2 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 (CT) domain. WISP2 lacks the CT domain which is implicated in dimerization and heparin binding. It is 72% identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover.

Function:

May play an important role in modulating bone turnover. Promotes the adhesion of osteoblast cells and inhibits the binding of fibrinogen to integrin receptors. In addition, inhibits osteocalcin production.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed in primary osteoblasts, fibroblasts, ovary, testes, and heart.

Similarity:

Belongs to the CCN family.
Contains 1 IGF1P N-terminal domain.
Contains 1 TSP type-1 domain.
Contains 1 VWFC domain.

SWISS:

O76076

Gene ID:

8839

Database links:

[Entrez Gene: 8839](#) Human

[Omim: 603399](#) Human

[SwissProt: O76076](#) Human

[Unigene: 592145](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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