

ARG66091 anti-WISP2 antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes WISP2
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	WISP2
Species	Human
Immunogen	E. coli derived recombinant Human WISP2 . (MQLCPTPCTC PWPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCD A SQGLVCQPGA GPGGRRGALCL LAEDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCVPLCSEDVRLPS WDCPHRRVE VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG PCSTTCGLGM ATRVSNQNRFCRLETQRRLC LSRPCPPSRG RSPQNSAF)
Conjugation	Biotin
Alternate Names	CCN5; WISP-2; CTGF-L; Connective tissue growth factor-like protein; Connective tissue growth factor-related protein 58; CCN family member 5; WNT1-inducible-signaling pathway protein 2; CT58

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66090 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformatics

Database links

[GeneID: 8839 Human](#)

[Swiss-port # O76076 Human](#)

Gene Symbol

WISP2

Gene Full Name

WNT1 inducible signaling pathway protein 2

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 (CT) domain. The encoded protein 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. [provided by RefSeq, Jul 2008]

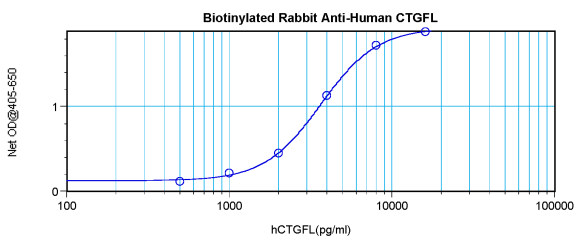
Function

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. [UniProt]

Calculated Mw

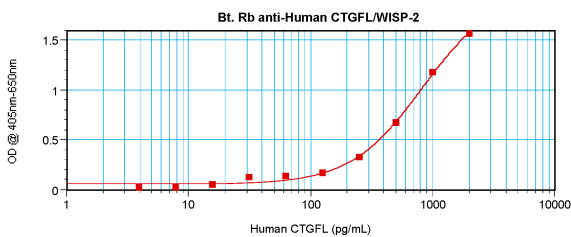
27 kDa

Images



ARG66091 anti-WISP2 antibody (Biotin) standard curve image

Direct ELISA: ARG66091 anti-WISP2 antibody (Biotin) at 0.25 - 1.0 $\mu\text{g}/\text{ml}$ results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66091 anti-WISP2 antibody (Biotin) standard curve image

Sandwich ELISA: ARG66091 anti-WISP2 antibody (Biotin) as a detection antibody at 0.25 - 1.0 $\mu\text{g}/\text{ml}$ combined with ARG66090 anti-WISP2 antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.