ARG66090
anti-WISP2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	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 PWPPPRCPLG VPLVLDGCGC CRVCARRLGE PCDQLHVCDA SQGLVCQPGA GPGGRGALCL LAEDDSSCEV NGRLYREGET FQPHCSIRCR CEDGGFTCVP LCSEDVRLPS WDCPHPRRVE VLGKCCPEWV CGQGGGLGTQ PLPAQGPQFS GLVSSLPPGV PCPEWSTAWG PCSTTCGLGM ATRVSNQNRF CRLETQRRLC LSRPCPPSRG RSPQNSAF)
Conjugation	Un-conjugated
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	Sandwich: 0.5 - 2.0 µg/ml with ARG66091 as a detection 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.

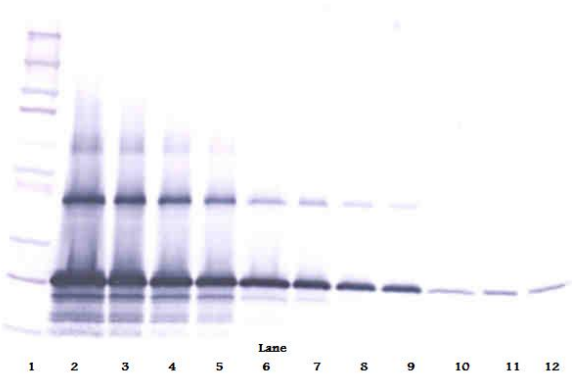
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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.

Bioinformation

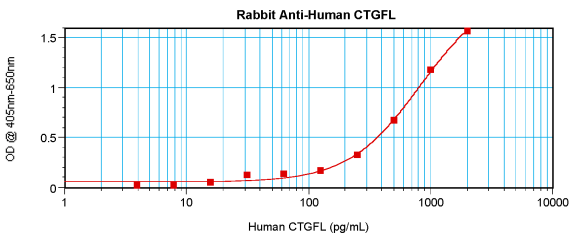
Database links	GeneID: 8839 Human Swiss-port # O76076 Human
Gene Symbol	WISP2
Gene Full Name	WNT1 inducible signaling pathway protein 2
Background	This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. 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



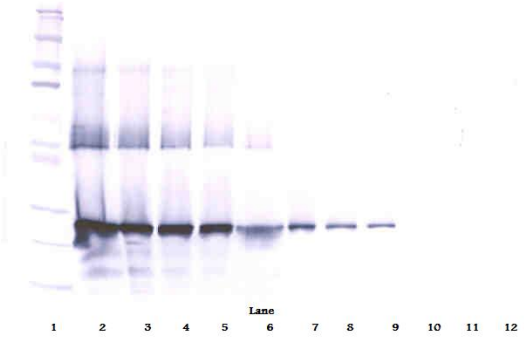
ARG66090 anti-WISP2 antibody WB image

Western blot: 250 - 0.24 ng of Human CTGFL / WISP-2 stained with ARG66090 anti-WISP2 antibody, under non-reducing conditions.



ARG66090 anti-WISP2 antibody standard curve image

Sandwich ELISA: ARG66090 anti-WISP2 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66091 anti-WISP2 antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



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