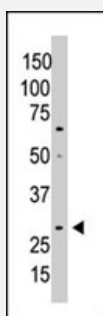


WISP2 polyclonal antibody

Catalog # PAB4836

Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of WISP2 polyclonal antibody (Cat # PAB4836) in A-549 cell lysate. WISP2 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of WISP2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human WISP2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of WISP2 polyclonal antibody (Cat # PAB4836) in A-549 cell lysate. WISP2 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — WISP2

Entrez GeneID [8839](#)

Protein Accession# [WSP2_HUMAN](#)

Gene Name WISP2

Gene Alias CCN5, CT58, CTGF-L

Gene Description WNT1 inducible signaling pathway protein 2

Omim ID [603399](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations OTTHUMP00000031770|OTTHUMP00000063227|connective tissue growth factor-like protein|wnt-1 signaling pathway protein 2

Publication Reference

- [The secreted protein discovery initiative \(SPDI\), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.](#)

Clark HF, Gurney AL, Abaya E, Baker K, Baldwin D, Brush J, Chen J, Chow B, Chui C, Crowley C, Currell B, Deuel B, Dowd P, Eaton D, Foster J, Grimaldi C, Gu Q, Hass PE, Heldens S, Huang A, Kim HS, Klimowski L, Jin Y, Johnson S, Lee J, Lewis L, Liao D, Mark M, Robbie E, Sanchez C, Schoenfeld J, Seshagiri S, Simmons L, Singh J, Smith V, Stinson J, Vagts A, Vandlen R, Watanabe C, Wieand D, Woods K, Xie MH, Yansura D, Yi S, Yu G, Yuan J, Zhang M, Zhang Z, Goddard A, Wood WI, Godowski P, Gray A.

Genome Research 2003 Sep; 13(10):2265.

- [WISP-2 gene in human breast cancer: estrogen and progesterone inducible expression and regulation of tumor cell proliferation.](#)

Banerjee S, Saxena N, Sengupta K, Tawfik O, Mayo MS, Banerjee SK.

Neoplasia 2003 Jan; 5(1):63.

Application: IHC-Fr, WB-Ce, Human, Breast, MCF- 7 cells

- [Identification and cloning of a connective tissue growth factor-like cDNA from human osteoblasts encoding a novel regulator of osteoblast functions.](#)

Kumar S, Hand AT, Connor JR, Dodds RA, Ryan PJ, Trill JJ, Fisher SM, Nuttall ME, Lipshutz DB, Zou C, Hwang SM, Votta BJ, James IE, Rieman DJ, Gowen M, Lee JC.

The Journal of Biological Chemistry 1999 Jun; 274(24):17123.

Application: IHC-Fr, IP, WB-Re, Human, Fibroblasts, Osteoblasts, Osteoclastoma tissues