

Rabbit anti-Human WISP1 Polyclonal Antibody | anti-WISP1 antibody

WISP1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288601	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

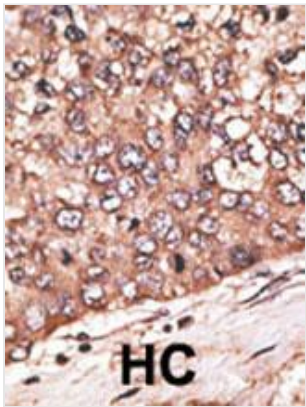
PRODUCT SYNONYMS

WISP1; Polyclonal Antibody; WISP1 Antibody (Center); WNT1-inducible-signaling pathway protein 1; WISP-1; CCN family member 4; Wnt-1-induced secreted protein; CCN4; anti-WISP1 antibody

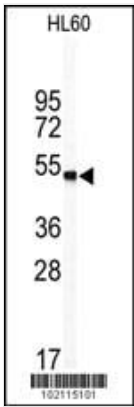
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This WISP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 171-200 amino acids from the Central region of human WISP1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	171-200
Sequence Length	155
Applicable Applications for anti-WISP1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of WISP1 Antibody (Center) in HL60 cell line lysates (35ug/lane). WISP1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-WISP1 antibody	Wisp1 is 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. Wisp1 may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. The encoded protein binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans present in the extracellular matrix of connective tissue, and possibly prevents the inhibitory activity of decorin and biglycan in tumor cell proliferation. It also attenuates p53-mediated apoptosis in response to DNA damage through activation of the Akt kinase. It is 83% identical to the mouse protein at the amino acid level.
Product Categories/Family for anti-WISP1 antibody	Signal Transduction
References	Hocevar, B.A., et al., EMBO J. 22(12):3084-3094 (2003). Tanaka, S., et al., Hepatology 37(5):1122-1129 (2003). Soon, L.L., et al., J. Biol. Chem. 278(13):11465-11470 (2003). Su, F., et al., Genes Dev. 16(1):46-57 (2002). Xie, D., et al., Cancer Res. 61(24):8917-8923 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	325910843
NCBI GeneID	8840
NCBI Accession #	NP_001191798.1; NP_001191799.1; NP_003873.1; NP_543028.1
NCBI GenBank Nucleotide #	NM_001204869.1
UniProt Accession #	O95388; Q5JBS6; Q5JBS7; Q5JBS8; Q9HCS3; A8KAG6; E7EMM5
Molecular Weight	40331
NCBI Official Full Name	WNT1-inducible-signaling pathway protein 1 isoform 3
NCBI Official Synonym Full Names	WNT1 inducible signaling pathway protein 1
NCBI Official Symbol	WISP1

NCBI Official Synonym Symbols	CCN4; WISP1c; WISP1i; WISP1tc
NCBI Protein Information	WNT1-inducible-signaling pathway protein 1
UniProt Protein Name	WNT1-inducible-signaling pathway protein 1
UniProt Gene Name	WISP1
UniProt Synonym Gene Names	CCN4; WISP-1
UniProt Entry Name	WISP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wisp1-antibody-immunohistochemistry-western-blot-elisa/288601>