

**WISP2 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6256A****Specification**

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**WISP2 Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O76076</a>
Other Accession	<a href="#">NP_003872</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	87-116

**WISP2 Antibody (Center) - Additional Information****Gene ID** 8839**Other Names**

WNT1-inducible-signaling pathway protein 2, WISP-2, CCN family member 5, Connective tissue growth factor-like protein, CTGF-L, Connective tissue growth factor-related protein 58, WISP2, CCN5, CT58, CTGFL

**Target/Specificity**

This WISP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 87-116 amino acids from the Central region of human WISP2.

**Dilution**

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

WISP2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**WISP2 Antibody (Center) - Protein Information****Name** CCN5 ([HGNC:12770](#))

**Synonyms** CT58, CTGFL, WISP2

**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.

**Cellular Location**

Secreted.

**Tissue Location**

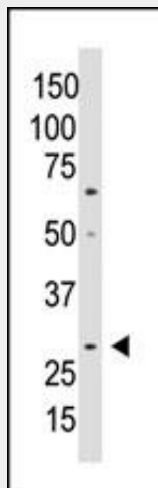
Expressed in primary osteoblasts, fibroblasts, ovary, testes, and heart

**WISP2 Antibody (Center) - Protocols**

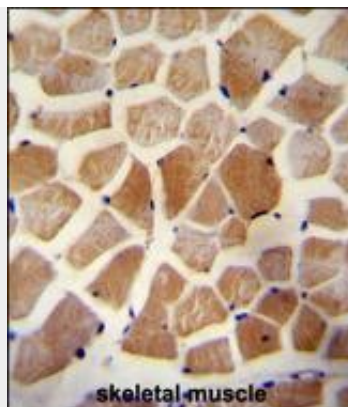
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**WISP2 Antibody (Center) - Images**



Western blot analysis of anti-WISP2 Antibody (Center) (Cat. #AP6256a) in A549 cell lysate. Wisp2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



WISP2 Antibody (Center) (Cat. #AP6256A) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of WISP2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **WISP2 Antibody (Center) - Background**

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.

#### **WISP2 Antibody (Center) - References**

Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003). Banerjee, S., et al., Neoplasia 5(1):63-73 (2003). Kumar, S., et al., J. Biol. Chem. 274(24):17123-17131 (1999). Pennica, D., et al., Proc. Natl. Acad. Sci. U.S.A. 95(25):14717-14722 (1998). Saxena, N., et al., Mol. Cell. Biochem. 228 (1-2), 99-104 (2001).

#### **WISP2 Antibody (Center) - Citations**

- [WISP-2 in human gastric cancer and its potential metastatic suppressor role in gastric cancer cells mediated by JNK and PLC-γ pathways.](#)