

AP13230PU-N**Polyclonal Antibody to WISP2 (Center) - Purified****Alternate names:**

CCN5, CT58, CTGF-L, CTGFL, Connective tissue growth factor-like protein, Connective tissue growth factor-related protein 58, UNQ228/PRO261, WISP-2, WNT1-inducible-signaling pathway protein 2

Quantity:

0.4 ml

Concentration:

2.0 mg/mL

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.

Uniprot ID:

[076076](#)

NCBI:

[NP_003872.1](#)

GenID:

[8839](#)

Host / Isotype:

Rabbit / Ig

Immunogen:

This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human WISP2.

Format:

State: Liquid purified Ig

Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Buffer System: PBS with 0.09% (W/V) sodium azide

Applications:

ELISA: 1/1,000.

Western blotting: 1/100 - 1/500.

Flow cytometry.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to WISP2.

Species: Human.

Other species not tested.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Caution: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

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

Pictures: Western blot analysis of anti-Wisp2 Ctr Pab in A549 cell lysate. Wisp2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

