

WISP3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP6257a**Specification**

WISP3 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O95389](#)**WISP3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 8838**Other Names**

WNT1-inducible-signaling pathway protein 3, WISP-3, CCN family member 6, WISP3, CCN6

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6257a](/product/products/AP6257a) was selected from the Center region of human WISP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

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

WISP3 Antibody (Center) Blocking peptide - Protein Information**Name** CCN6 ([HGNC:12771](#))**Function**

Plays a role in mitochondrial electron transport and mitochondrial respiration (PubMed: [27252383](http://www.uniprot.org/citations/27252383)). Through its regulation of the mitochondrial function may play a role in normal postnatal skeletal growth and cartilage homeostasis (PubMed: [27252383](http://www.uniprot.org/citations/27252383), PubMed: [10471507](http://www.uniprot.org/citations/10471507)).

Cellular Location

Secreted. Mitochondrion. Note=Associated with membranes.

Tissue Location

Predominant expression in adult kidney and testis and fetal kidney. Weaker expression found in

placenta, ovary, prostate and small intestine (PubMed:9843955, PubMed:10471507). Also expressed in skeletally-derived cells such as synoviocytes and articular cartilage chondrocytes (PubMed:10471507).

WISP3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

WISP3 Antibody (Center) Blocking peptide - Images

WISP3 Antibody (Center) Blocking peptide - Background

Wisp2 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 contain four well-conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and the C-terminal cysteine knot-like (CT) domain. Human Wisp2 is 72% identical to the mouse Wisp2 protein. Wisp2 is abundantly expressed in bone tissue, and may play an important role in modulating bone turnover. Wisp2 expression in colon tumors is often reduced while the other two Wisp members (Wisp1 and 3) are overexpressed in these tumors.

WISP3 Antibody (Center) Blocking peptide - References

Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003). Tanaka, S., et al., Gastroenterology 123(1):392-393 (2002). Kleer, C.G., et al., Oncogene 21(20):3172-3180 (2002). Hurvitz, J.R., et al., Nat. Genet. 23(1):94-98 (1999). Pennica, D., et al., Proc. Natl. Acad. Sci. U.S.A. 95(25):14717-14722 (1998).