

# WISP2 Rabbit pAb

Catalog No.: A7456 **2 Publications**

## Basic Information

**Observed MW**

27KD

**Calculated MW**

27kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IHC-P,IF/ICC

**Cross-Reactivity**

Human, Mouse, Rat

## Background

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.

## Recommended Dilutions

|               |               |
|---------------|---------------|
| <b>WB</b>     | 1:100 - 1:500 |
| <b>IHC-P</b>  | 1:50 - 1:200  |
| <b>IF/ICC</b> | 1:50 - 1:200  |

## Immunogen Information

**Gene ID**

8839

**Swiss Prot**

O76076

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 164-250 of human WISP2 (NP\_003872.1).

**Synonyms**

CT58; WISP2; CTGF-L

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

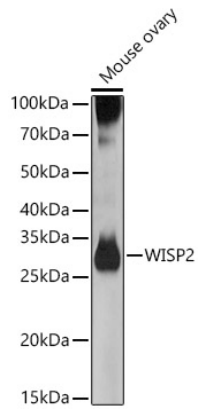
Affinity purification

**Storage**

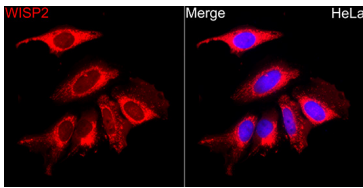
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

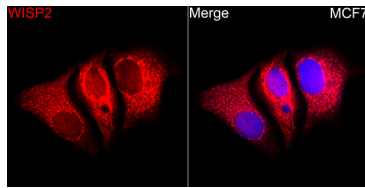
## Validation Data



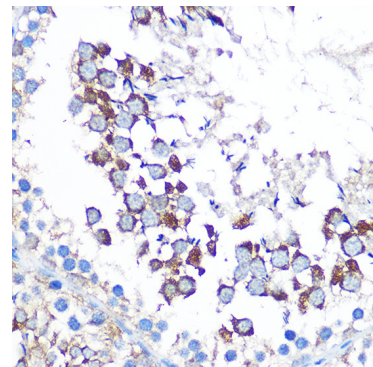
Western blot analysis of lysates from Mouse ovary, using WISP2 Rabbit pAb (A7456) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



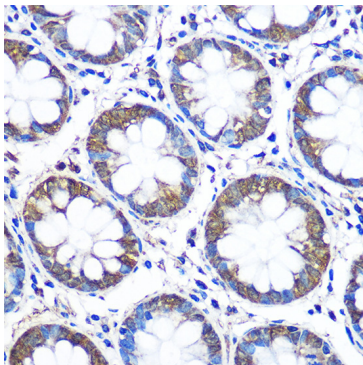
Immunofluorescence analysis of HeLa cells using WISP2 Rabbit pAb (A7456) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of MCF7 cells using WISP2 Rabbit pAb (A7456) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis using WISP2 Rabbit pAb (A7456) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human colon using WISP2 Rabbit pAb (A7456) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.