

## Anti-Wrch-1(Wnt-1 responsive Cdc42 homolog) Polyclonal Antibody

Cat. #: 60B797

### Description:

Wrch-1 is a novel member of the Rho gene family that is regulated by Wnt-1. Wrch-1 encodes a homolog of the Rho family of GTPases. It shares 57% amino acid sequence identity with Cdc42, but possesses a unique N-terminal domain that contains several putative PXXP SH3-binding motifs. Like Cdc42, Wrch-1 can activate PAK-1 and JNK-1, and induce filopodium formation and stress fiber dissolution. Active Wrch-1 stimulates quiescent cells to reenter the cell cycle. Wrch-1 could mediate the effects of Wnt-1 signaling in the regulation of cell morphology, cytoskeletal organization, and cell proliferation.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse Wrch-1(Wnt-1 responsive Cdc42 homolog)

### References

Tao,W., et al, Genes Dev. 15 (14), 1796-1807 (2001)  
Berzat,A.C., et al, J. Biol. Chem. 280 (38), 33055-33065 (2005)  
Daigo,Y., et al, J. Gastroenterol. Hepatol. 19 (2), 211-217 (2004)

Species: mouse

Storage and Stability: at -20oC

### Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### Preparation:

Purified by antigen-specific affinity chromatography.

### Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)