

## Anti-Wnt-1 Antibody

**CATALOG NO:** 3571-30T 30 µg (Trial size)  
3571-100 100 µg

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 31 of human Wnt-1  
(Internal ID# BV-939)

**SPECIES REACTIVITY:** Human

### FORMULATION:

0.5 mg/ml affinity purified rabbit Wnt-1 polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 0.5 mM EDTA and 0.03% proclin.

### STORAGE CONDITIONS:

Store at -20° C. For long term storage, aliquot and freeze at -70° C. Avoid repeated freeze/thaw cycles.

### BACKGROUND:

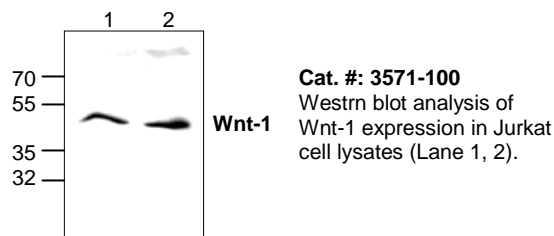
Wnt gene family members, including Wnt-1 through Wnt-10, play a key role in regulating cellular growth and differentiation. Wnt-1 is a cysteine-rich, secreted glycoprotein that associates with cell membranes and likely functions as a key regulator of cellular adhesion. Wnt-1, which is essential for normal development of the embryonic nervous system, contributes to hyperplasia and tumorigenic progression when improperly expressed in mammary tissue. Wnt-3 is also involved in tumorigenesis and Wnt-2 and Wnt-4 may be associated with abnormal proliferation in human breast tissue. Wnt-1, Wnt-3 and Wnt-10b have been implicated along with FGF-3 in the development of mouse mammary tumor virus induced mouse mammary carcinomas.

### SPECIFICITY:

The antibody recognizes 41kDa of human Wnt-1. Reactivity to other species has not been tested. Blocking peptide (Cat. #:3571BP-50) is available separately.

### APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). Per researchers feedback, the antibody can also be used in immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.



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