

Wnt-6 Polyclonal Antibody

CATALOG NO: 3570-30T 30 µg (Trial size)
3570-100 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 276 of mouse Wnt-6 (Internal ID# BV-C53)

SPECIES REACTIVITY: Human, Mouse, Rat

FORMULATION:

0.5 mg/ml affinity purified rabbit Wnt-6 polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

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

BACKGROUND:

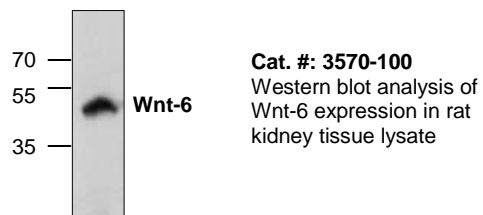
Wnt gene family members, including Wnt-1 through Wnt-10, play a key role in regulating cellular growth and differentiation. Wnt-1 is a cysteine-rich, secreted glycoprotein that associates with cell membranes and likely functions as a key regulator of cellular adhesion. Wnt-1, which is essential for normal development of the embryonic nervous system, contributes to hyperplasia and tumorigenic progression when improperly expressed in mammary tissue. Wnt-3 is involved in tumorigenesis and Wnt-2 and Wnt-4 may be associated with abnormal proliferation in human breast tissue. Wnt-6 is involved in oncogenesis and is co-expressed with Wnt10 in colorectal cancer cell lines. The presence of cervical and breast cell carcinomas may indicate an over expression of Wnt-6.

SPECIFICITY:

The antibody recognizes 40-46 kDa Wnt-6 from rat origins. Reactivity to other species has not been tested. Blocking peptide (Cat.# 3570BP-50) is available separately.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). Per researcher's 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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