Wnt-1 (G331) polyclonal antibody

Catalog:	QS04116	Host:	Rabbit	Reactivity:	Human,Mouse,Rat

BackGround:

Products of the highly conserved Wnt gene family play key roles in regulating cellular growth and differentiation. The prototype member of the Wnt gene family, Wnt-1, is a cysteine-rich secreted glycoprotein that associates with cell membranes and likely functions as a key regulator of cellular adhesion. β-catenin, a cadherin-binding cellular adhesion protein which also binds the tumor supressor gene APC, has been identified as a downstream target of a signal transduction pathway mediated by Wnt-1. Wnt-1 is essential for normal development of the embryonic nervous system and its expression is normally limited to the embryonic neural tube and adult spermatids. When improperly expressed in mammary tissue, Wnt-1 contributes to hyperplasia and tumorigenic progression. Wnt family members have been shown to interact with Sonic hedgehog (Shh) in vivo to induce myogenesis in somitic tissue.

Product:

Rabbit IgG in PBS with 0.02% sodium azide,50% glycerol, pH7.2

Molecular Weight:

~ 41 kDa

Swiss-Prot:

P04628

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:250~1:500

IHC: 1:25~1:100

IF: 1:25~1:100

Storage&Stability:

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Specificity:

Wnt-1 (G331) polyclonal antibody detects endogenous levels of Wnt-1 protein.

DATA:

Western blot (WB) analysis of Wnt-1 (G331) polyclonal antibody at 1:500 dilution
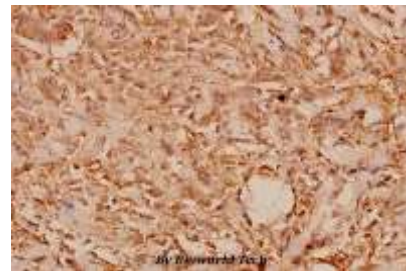
Lane1:HEK293T whole cell lysate(40ug)

Lane2:Hela whole cell lysate(40ug)

Lane3:DLD whole cell lysate(40ug) Lane4:The

Testis tissue lysate of Mouse(40ug) Lane5:The

Testis tissue lysate of Rat(40ug)

Immunohistochemistry (IHC) analyzes of Wnt-1 (G331) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.