



Product Information Sheet

Polyclonal Anti- Wingless-type MMTV integration site family, member 9A, *WNT9A* (Magnetic Bead Conjugate)

Catalogue No. PA1316-M

Lot No. 05F01

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human WNT9A, different from the mouse sequence by one amino acid.

Purity

Immunogen affinity purified.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Recommended application

ImmunoPrecipitation (IP)

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Wingless-type MMTV integration site family, member 9A, also known as WNT9A or WNT14, is a human gene. The WNT gene family consists of structurally related genes that encode secreted signaling proteins.¹ These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is expressed in gastric cancer cell lines.² The protein encoded by this gene shows 75% amino acid identity to chicken Wnt14, which has been shown to play a central role in initiating synovial joint formation in the chick limb.³ This gene contains 4 exons and spans about 27 kb of genomic DNA, in the chromosome 1q42 region.⁴

REFERENCE

1. Bergstein, I.; Eisenberg, L. M.; Bhalerao, J.; Jenkins, N. A.; Copeland, N. G.; Osborne, M. P.; Bowcock, A. M.; Brown, A. M. C. : Isolation of two novel WNT genes, WNT14 and WNT15, one of which (WNT15) is closely linked to WNT3 on human chromosome 17q21. *Genomics* 46: 450-458, 1997.
2. Saitoh, T.; Hirai, M.; Katoh, M. : Molecular cloning and characterization of WNT3A and WNT14 clustered in human chromosome 1q42 region. *Biochem. Biophys. Res. Commun.* 284: 1168-1175, 2001.
3. Hartmann, C.; Tabin, C. J. : Wnt-14 plays a pivotal role in inducing synovial joint formation in the developing appendicular skeleton. *Cell* 104: 341-351, 2001.
4. Saitoh, T.; Hirai, M.; Katoh, M. : Molecular cloning and characterization of WNT3A and WNT14 clustered in human chromosome 1q42 region. *Biochem. Biophys. Res. Commun.* 284: 1168-1175, 2001.