



Product Information Sheet

Polyclonal Anti-OPCML (Magnetic Bead Conjugate)

Catalogue No. PA1131-M

Lot No. 08J01

Ig type: rabbit IgG1

Size: 100µg/Vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

A synthetic peptide mapping at the C-terminal of human OPCML, identical to the related rat and mouse sequence.

Purification

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.

Description:

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic

BACKGROUND

Opioid-binding protein/cell adhesion molecule-like (OPCML), (also called opioid-binding cell adhesion molecule (OBCAM)). OPCML is a member of the IgLON family of immunoglobulin (Ig) domain-containing glycosylphosphatidylinositol (GPI)-anchored cell adhesion molecules, as an excellent candidate for the 11q25 ovarian cancer TSG in EOC. The OPCML gene comprises 7 exons, spans approximately 600 kb, and is transcribed from telomere to centromere. And due to the lack of transmembrane domains necessary for signal transduction, it is improbable that OBCAM acts independently as an opioid receptor; more likely, it plays an important accessory role in opioid receptor function.

REFERENCE

1. Sellar, G. C.; Watt, K. P.; Rabiasz, G. J.; Stronach, E. A.; Li, L.; Miller, E. P.; Massie, C. E.; Miller, J.; Contreras-Moreira, B.; Scott, D.; Brown, I.; Williams, A. R.; Bates, P. A.; Smyth, J. F.; Gabra, H. : OPCML at 11q25 is epigenetically inactivated and has tumor-suppressor function in epithelial ovarian cancer. *Nature Genet.* 34: 337-343, 2003.
2. Shark, K. B.; Lee, N. M. : Cloning, sequencing and localization to chromosome 11 of a cDNA encoding a human opioid-binding cell adhesion molecule (OBCAM). *Gene* 155: 213-217, 1995.

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