



Polyclonal Anti-OPCML (Sephacrose Bead Conjugate)

Catalogue No. PA1131-S

Lot No. 08J01

Ig type: rabbit IgG

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.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃a₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

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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