



Product Information Sheet

Polyclonal Anti-OPCML

Catalogue No. PA1131

Lot No. 08J01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

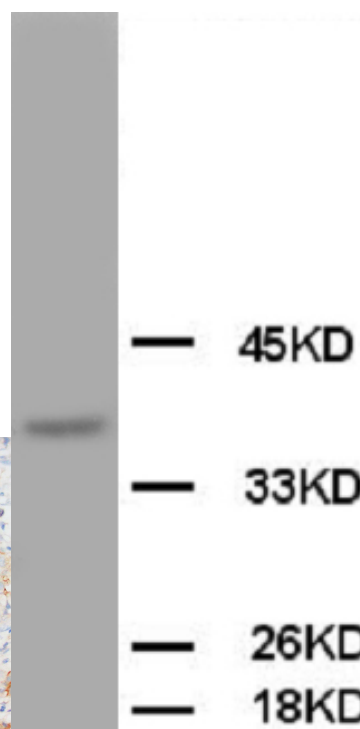
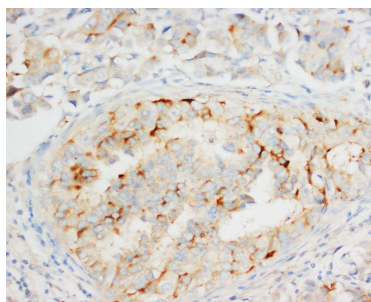
Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)



Immunogen

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

Purity

Immunogen affinity purified.

Application

Western blot

At 1µg/ml with the appropriate system to detect OPCML in cells and tissues.

Immunohistochemistry(P)

At 1-2µg/ml to detect OPCML in formalin fixed and paraffin embedded tissues. Boiling the sections is required.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

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.