

Datasheet for ABIN1881594  
**anti-OPCML antibody (AA 172-200)**[Go to Product page](#)

1 Image

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## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 400 µL                               |
| Target:              | OPCML                                |
| Binding Specificity: | AA 172-200                           |
| Reactivity:          | Human                                |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This OPCML antibody is un-conjugated |
| Application:         | Western Blotting (WB)                |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | This OPCML antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-200 amino acids from the Central region of human OPCML. |
| Clone:                | RB41749   |
| Isotype:              | Ig Fraction   |
| Predicted Reactivity: | B, Rat  |
| Purification:         | This antibody is purified through a protein A column, followed by peptide affinity purification.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | OPCML                                    |
| Alternative Name: | OPCML ( <a href="#">OPCML Products</a> ) |

## Target Details

**Background:** This gene encodes a member of the IgLON subfamily in the immunoglobulin protein superfamily. The encoded protein is localized in the plasma membrane and may have an accessory role in opioid receptor function. This gene has an ortholog in rat and bovine. The opioid binding-cell adhesion molecule encoded by the rat gene binds opioid alkaloids in the presence of acidic lipids, exhibits selectivity for mu ligands and acts as a GPI-anchored protein. Since the encoded protein is highly conserved in species during evolution, it may have a fundamental role in mammalian systems. Two transcript variants encoding different isoforms have been found for this gene.

**Molecular Weight:** 38008

**NCBI Accession:** [NP\\_001012393](#), [NP\\_002536](#)

**UniProt:** [Q14982](#)

## Application Details

**Application Notes:** WB: 1:1000

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C, -20 °C

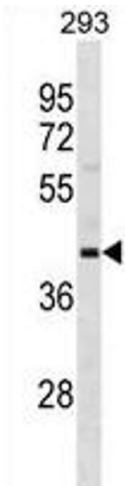
**Expiry Date:** 6 months

## Publications

**Product cited in:** Choudhary, Kumar, Gnad, Nielsen, Rehman, Walther, Olsen, Mann: "Lysine acetylation targets protein complexes and co-regulates major cellular functions." in: **Science (New York, N.Y.)**, Vol. 325, Issue 5942, pp. 834-40, (2009) ([PubMed](#)).

Dickeson, Helmkamp, Yarbrough: "Sequence of a human cDNA encoding phosphatidylinositol

transfer protein and occurrence of a related sequence in widely divergent eukaryotes." in: **Gene**, Vol. 142, Issue 2, pp. 301-5, (1994) ([PubMed](#)).



**Western Blotting**

**Image 1.** OPCML Antibody (Center) (ABIN1881594 and ABIN2838682) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the OPCML antibody detected the OPCML protein (arrow).