10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OPCML Rabbit pAb

Catalog # AP98334

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q14982
Other Accession	Q14982
Reactivity	Rat
Predicted	Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38008
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OPCML
Epitope Specificity	101-200/345
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the immunoglobulin superfamily. IgLON family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
DISEASE	Defects in OPCML are a cause of susceptibility to ovarian cancer (OC) [MIM:167000]. Ovarian cancer common malignancy originating from ovarian tissue. Although many histologic types of ovarian neoplasms have been described, epithelial ovarian carcinoma is the most common form. Ovarian cancers are often asymptomatic and the recognized signs and symptoms, even of late-stage disease, are vague. Consequently, most patients are diagnosed with advanced disease.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq]

Additional Information

Gene ID	4978
Other Names	IGLON1; OBCAM; OPCM; OPCM_HUMAN; OPCML; Opioid-binding cell adhesion molecule; IgLON family member 1; opioid binding protein/cell adhesion molecule like

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	OPCML
Synonyms	IGLON1, OBCAM
Function	Binds opioids in the presence of acidic lipids; probably involved in cell contact.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.