

Anti-OPCML antibody [EPR22947-46] - BSA and Azide free ab264474

Recombinant RabMAb

4 Images

Overview

Product name	Anti-OPCML antibody [EPR22947-46] - BSA and Azide free
Description	Rabbit monoclonal [EPR22947-46] to OPCML - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human cerebellum, Human brain, Rat brain and Mouse brain lysates. IHC-P: Human cerebral cortex, Mouse hippocampus and Rat cerebral cortex tissues.
General notes	ab264474 is the carrier-free version of ab238143 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22947-46
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab264474 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

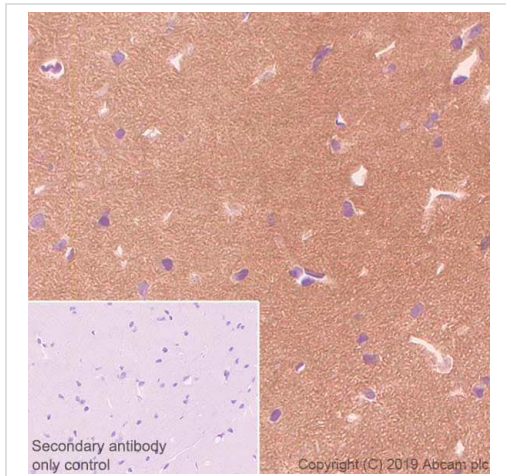
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 38 kDa.
IHC-P		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Function	Binds opioids in the presence of acidic lipids; probably involved in cell contact.
Involvement in disease	Ovarian cancer
Sequence similarities	Belongs to the immunoglobulin superfamily. IgLON family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Cellular localization	Cell membrane.

Images



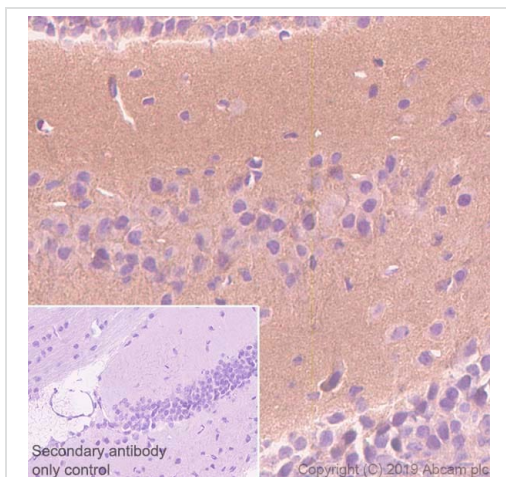
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OPCML antibody [EPR22947-46] - BSA and Azide free (ab264474)

Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex tissue labeling OPCML with **ab238143** at 1/1000 dilution (0.562 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining on rat cerebral cortex (PMID/ 10526147) is observed. The section was incubated with **ab238143** for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab238143**).



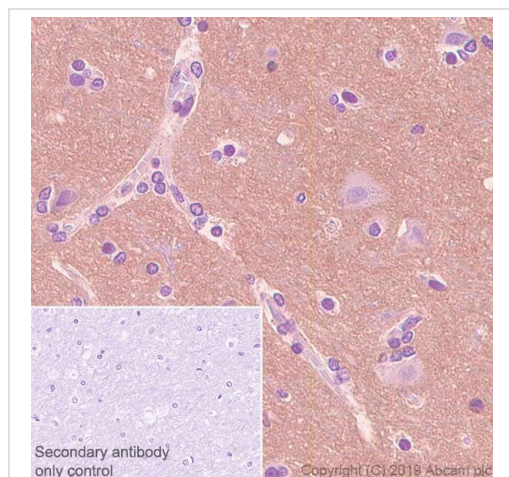
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OPCML antibody [EPR22947-46] - BSA and Azide free (ab264474)

Immunohistochemical analysis of paraffin-embedded Mouse hippocampus tissue labeling OPCML with **ab238143** at 1/1000 dilution (0.562 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining in mouse hippocampus is observed. The section was incubated with **ab238143** for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab238143**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-OPCML antibody [EPR22947-46] - BSA and Azide free (ab264474)

Immunohistochemical analysis of paraffin-embedded Human cerebral cortex tissue labeling OPCML with **ab238143** at 1/1000 dilution (0.562 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Cytoplasmic staining on human cerebral cortex is observed. The section was incubated with **ab238143** for 10 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab238143**).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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