


Product datasheet

Anti-OLFM4 antibody ab85046

★ ★ ★ ★ ★ [3 Abreviews](#) [17 References](#) [2 Images](#)

Overview

Product name	Anti-OLFM4 antibody
Description	Rabbit polyclonal to OLFM4
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	In Western Blot, ab85046 gave a positive signal in Human liver tissue lysate. ICC/IF: HT-29 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

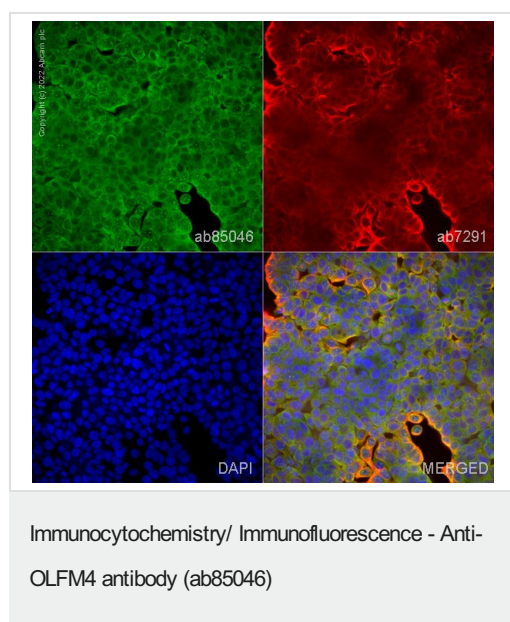
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab85046 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.
WB	★ ★ ★ ★ ★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 54 kDa (predicted molecular weight: 57 kDa).

Target

Function	An antiapoptotic factor that promotes tumor growth. Promotes proliferation of pancreatic cancer cells by favoring the transition from the S to G2/M phase. Facilitates cell adhesion.
Tissue specificity	Expressed during myeloid lineage development. Strongly expressed in the prostate, small intestine and colon and moderately expressed in the bone marrow and stomach. Highly expressed in pancreatic cancer tissues and shows an elevated expression level during the early S phase of the cell cycle. Also expressed at high levels in stomach cancer and colon cancer tissues.
Sequence similarities	Contains 1 olfactomedin-like domain.
Domain	The olfactomedin-like domain is involved in the interaction with cadherin.
Post-translational modifications	N-glycosylated.
Cellular localization	Secreted > extracellular space. According to PubMed:15059901, found in mitochondrion and nucleus.

Images



ab85046 staining OLFM4 in HT29 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab85046 at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.

250 kDa —
150 kDa —
100 kDa —
75 kDa —
50 kDa —
37 kDa —
25 kDa —
20 kDa —
15 kDa —

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Western blot - Anti-OLFM4 antibody (ab85046)

Anti-OLFM4 antibody (ab85046) at 1 µg/ml + Human liver tissue lysate - total protein at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/1000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 57 kDa

Additional bands at: 105 kDa (possible non-specific binding), 45 kDa (possible non-specific binding), 60 kDa (possible non-specific binding)

Exposure time: 4 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab85046 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution [ab133406](#).

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

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