abcam

Product datasheet

Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free ab232570

Recombinant RabMAb

7 Images

Overview

Product name	Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR4264(2)] to UFM1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IP, IHC-P, WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Rat kidney tissue.
General notes	ab232570 is the carrier-free version of **ab109305**. 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	EPR4264(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232570 in the following tested applications.

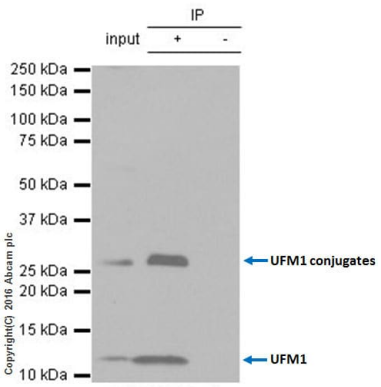
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 9 kDa.

Target

Function	Ubiquitin-like modifier protein which binds to a number of target proteins, such as DDRGK1.
Sequence similarities	Belongs to the UFM1 family.
Cellular localization	Nucleus. Cytoplasm. Predominantly nuclear. Also expressed diffusely in the cytoplasm.

Images

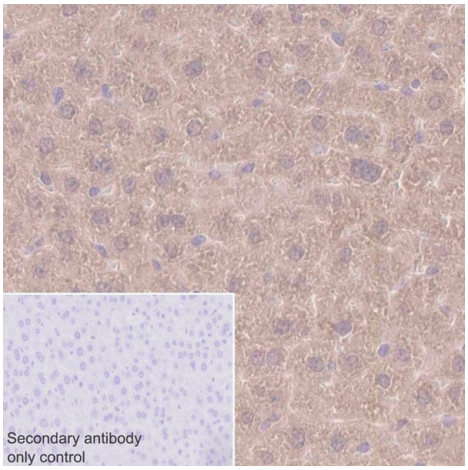


Immunoprecipitation - Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free (ab232570)

ab109305 immunoprecipitating UFM1. 10µg of cell lysate was incubated with primary antibody at a dilution of 1/20 and VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at a dilution of 1/1000.

Lane 1: 293 (Human embryonic kidney epithelial cell) whole cell lysate 10ug
Lane 2: 293 (Human embryonic kidney epithelial cell) whole cell lysate
Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab109305** in 293 (Human embryonic kidney epithelial cell) whole cell lysate

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109305**).

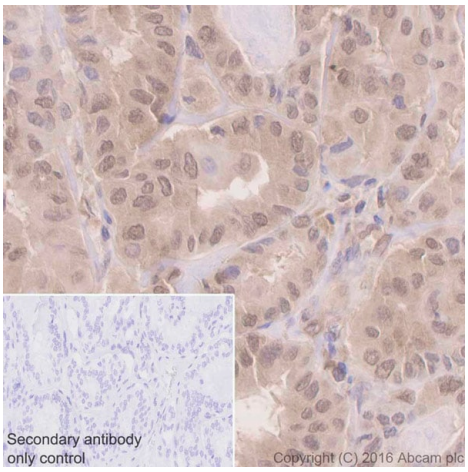


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free (ab232570)

ab109305 staining UFM1 in mouse mouse liver tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/100. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at a dilution of 1/500.

Negative control 1: PBS in place of primary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109305**).

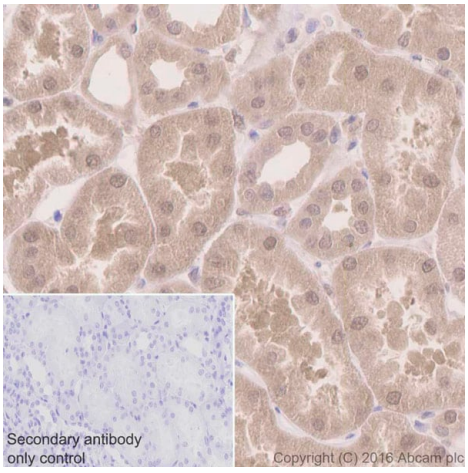


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free (ab232570)

ab109305 staining UFM1 in human thyroid carcinoma tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/100. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at a dilution of 1/500.

Negative control 1: PBS in place of primary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109305**).

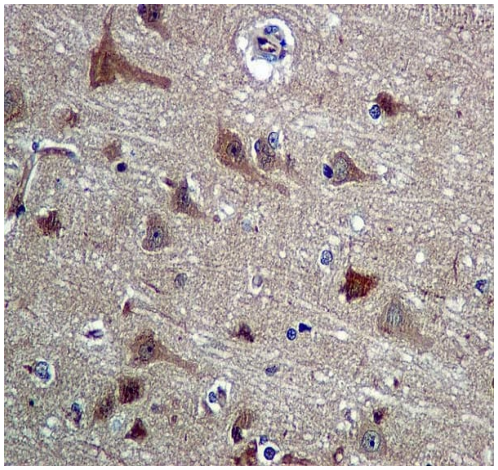


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free (ab232570)

ab109305 staining UFM1 in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/1000. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at a dilution of 1/500.

Negative control 1: PBS in place of primary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109305**).

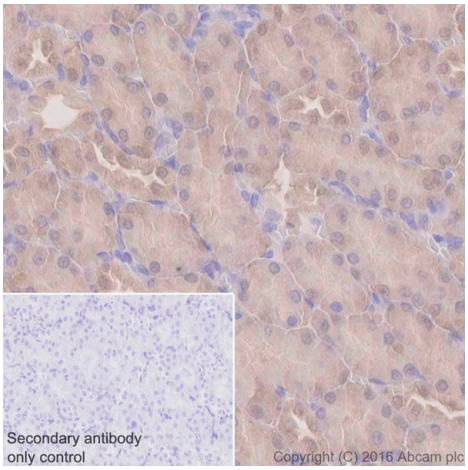


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free (ab232570)

Immunohistochemical analysis of paraffin-embedded Human brain tissue using **ab109305** at 1/250 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109305**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

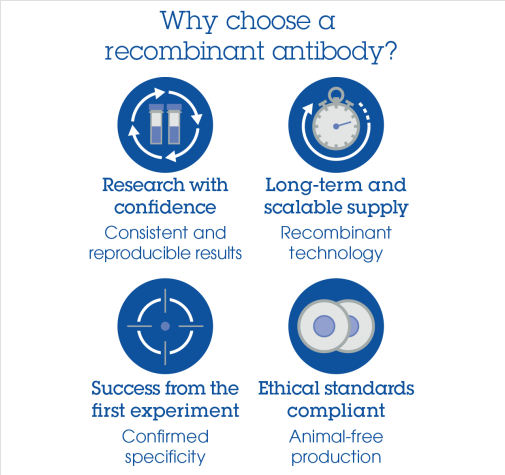


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free (ab232570)

ab109305 staining UFM1 in rat kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/1000. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at a dilution of 1/500.

Negative control 1: PBS in place of primary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109305**).



Anti-UFM1 antibody [EPR4264(2)] - BSA and Azide free (ab232570)

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