

Product datasheet

Anti-UTF1 antibody ab24273

★★★★☆ [6 Abreviews](#) [18 References](#) [2 Images](#)

Overview

Product name	Anti-UTF1 antibody
Description	Rabbit polyclonal to UTF1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse Does not react with: Human
Immunogen	Synthetic peptide corresponding to Mouse UTF1 aa 300 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab30369)
Positive control	ICC/IF: mES 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 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified

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.

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24273 in the following tested applications.

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

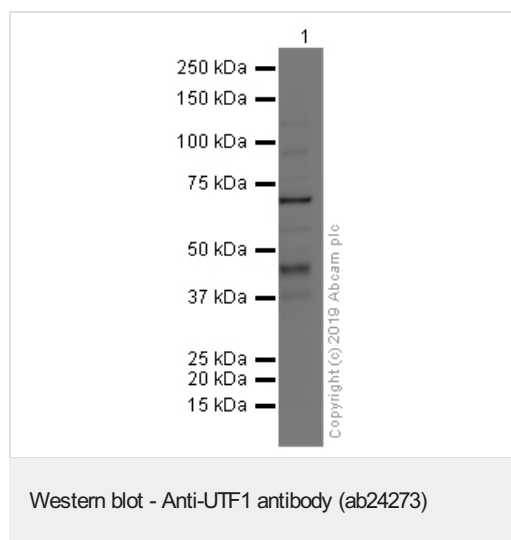
Application	Abreviews	Notes
WB	★★★★☆ (2)	Use a concentration of 1 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 36 kDa).
ICC/IF	★★★★★ (2)	Use a concentration of 1 µg/ml.

Target

Function	Acts as a transcriptional coactivator of ATF2.
Domain	The leucine-zipper domain is required for coactivation activity. When this domain is deleted, the protein is able to stimulate transcription from a number of gene promoters.
Post-translational modifications	Phosphorylated.
Cellular localization	Nucleus.

Form UTF1 is a transcriptional coactivator expressed in pluripotent embryonic stem cells and extra-embryonic cells. Upon activation by Oct-3/4, UTF1 may be responsible for the rapid proliferation and tumorigenic properties of embryonic stem cells. Sox2 is also part of the Oct-3/4-containing complex able to bind the regulatory region of UTF1. UTF1 acts as a transcriptional coactivator of ATF2 and it binds to the N-terminal region of ATF2. Associates with the TFIID complex through interaction with TBP.

Images



Anti-UTF1 antibody (ab24273) at 1 µg/ml + Mouse embryonic stem cell lysate at 20 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

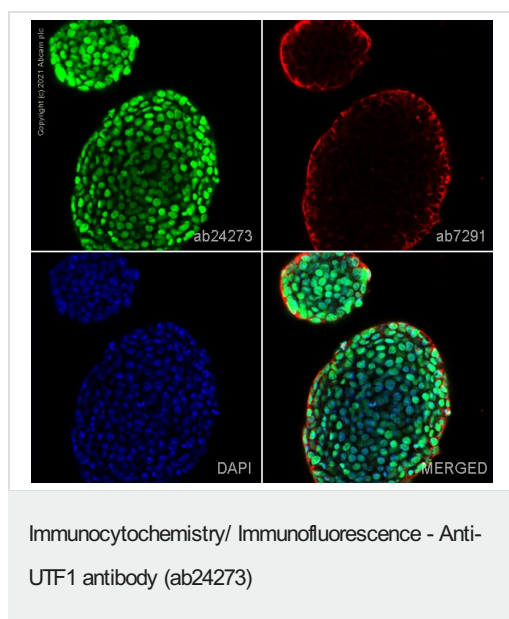
Predicted band size: 36 kDa

Observed band size: 37 kDa

Additional bands at: 46 kDa (possible post-translational modification), 72 kDa (possible non-specific binding)

Exposure time: 1 minute

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 ab24273 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.



ab24273 staining UTF1 in mES cells. The cells were fixed with 100% methanol (5 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 ab24273 at 1 µg/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). Also suitable in cells fixed with 4% paraformaldehyde (10 min).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.

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

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