


Product datasheet

Anti-UTF1 antibody ab105090

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

Overview

Product name	Anti-UTF1 antibody
Description	Rabbit polyclonal to UTF1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Mouse Predicted to work with: Rat, Cow, Human, Pig, Macaque monkey 
Immunogen	Synthetic peptide corresponding to Human UTF1 aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as ab119167)
Positive control	This antibody gave a positive signal in the following whole cell lysates: E14Tg2a; F9; IOUD2.
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 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

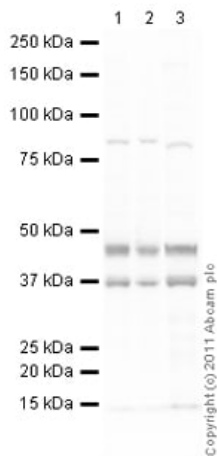
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab105090 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

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 TFIIID complex through interaction with TBP.

Images



Western blot - Anti-UTF1 antibody (ab105090)

All lanes : Anti-UTF1 antibody (ab105090) at 1 µg/ml

Lane 1 : E14Tg2a (Mouse embryonic stem cell line) Whole Cell Lysate

Lane 2 : F9 (Mouse embryonic carcinoma cell line) Whole Cell Lysate

Lane 3 : IOUD2 (Mouse embryonic stem cell) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

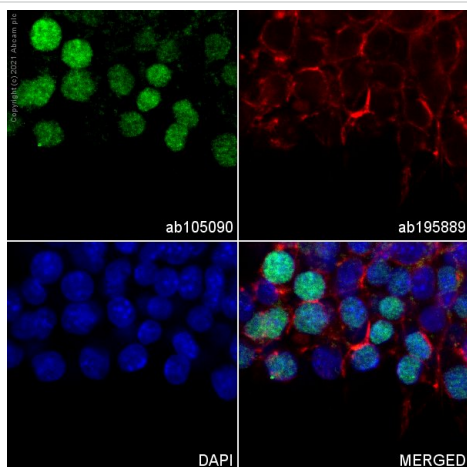
Predicted band size: 36 kDa

Observed band size: 46 kDa

Additional bands at: 36 kDa, 85 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds

The expression profile observed is consistent with what has been described in the literature (PMID:17785516).



Immunocytochemistry/ Immunofluorescence - Anti-UTF1 antibody (ab105090)

ICC/IF image of ab105090 stained mouse embryonic stem cells.

The cells were fixed with 4% PFA (10min), permeabilized in 0.1% PBS-Triton X-100 for 5 min then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1hr. The cells were then incubated overnight at +4°C with ab105090 at 1/500 dilution and **ab195889**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at 1/250 dilution (shown in red). The secondary antibody (shown in green) was **ab150081** Alexa Fluor® 488 Goat anti-Rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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