


Product datasheet

Anti-TCHP antibody ab77622

4 Images

Overview

<b>Product name</b>	Anti-TCHP antibody
<b>Description</b>	Rabbit polyclonal to TCHP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Orangutan 
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 450 to the C-terminus of Human TCHP. Read Abcam's proprietary immunogen policy
<b>Positive control</b>	This antibody gave a positive signal in human tonsil tissue lysate and in the whole cell lysate: U87MG.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS. pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab77622** 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 a concentration of 1 µg/ml. Detects a band of approximately 65 kDa (predicted molecular weight: 61 kDa).

## Target

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### Relevance

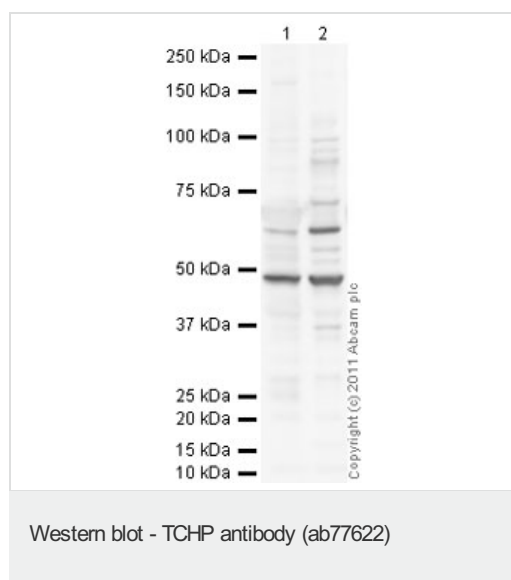
A tumour suppressor protein which may act as a 'capping' or 'branching' protein for keratin filaments in the cell periphery.

### Cellular localization

Cytoplasmic, cytoskeleton

## Images

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**All lanes** : Anti-TCHP antibody (ab77622) at 1 µg/ml

**Lane 1** : Human tonsil normal tissue lysate - total protein ([ab29615](#))

**Lane 2** : U-87 MG (Human glioblastoma astrocytoma) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

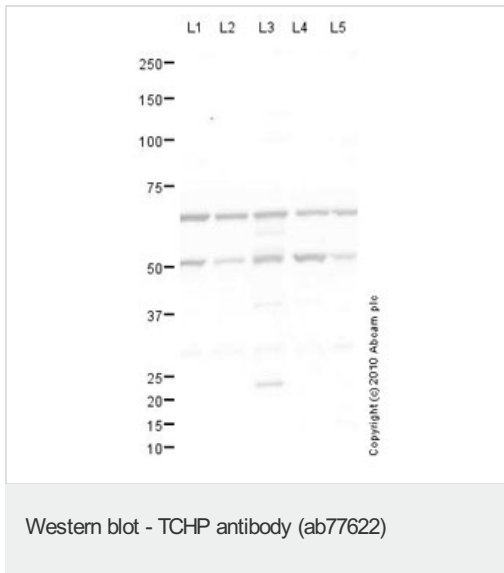
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

**Predicted band size:** 61 kDa

**Observed band size:** 65 kDa

**Additional bands at:** 49 kDa. We are unsure as to the identity of these extra bands.

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**All lanes** : Anti-TCHP antibody (ab77622) at 1 µg/ml

**Lane 1** : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2** : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 3** : Human skin tissue lysate - total protein ([ab30166](#))

**Lane 4** : Saos 2 (Human epithelial-like osteosarcoma cell line) Whole Cell Lysate

**Lane 5** : T47D whole cell lysate ([ab14899](#))

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

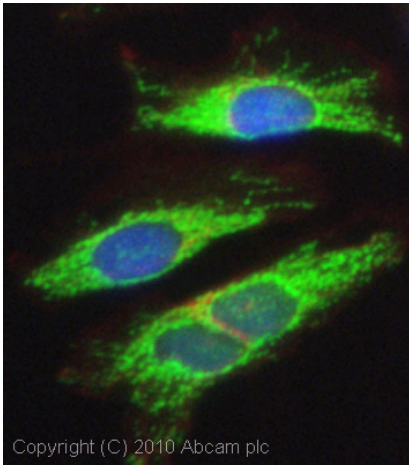
Performed under reducing conditions.

**Predicted band size:** 61 kDa

**Observed band size:** 65 kDa

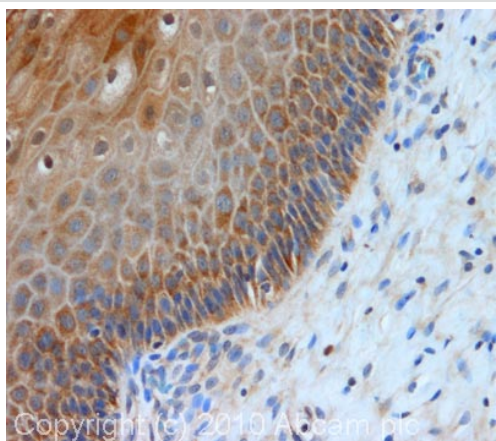
**Additional bands at:** 53 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 30 seconds



Immunocytochemistry/ Immunofluorescence - TCHP antibody (ab77622)

ICC/IF image of ab77622 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab77622, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 100% methanol fixed (5 min) Hek293, HepG2 and MCF7 cells at 5µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - TCHP antibody (ab77622)

IHC image of TCHP staining in human normal cervix formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with 77622, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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