abcam

Product datasheet

Anti-Transglutaminase 2 antibody ab73170

3 References 3 图像

概述

产品名称	Anti-Transglutaminase 2抗体
描述	**兔多克隆抗体**to Transglutaminase 2
宿主	Rabbit
经测试应用	**适用于:** IHC-P, ICC/IF, WB
种属反应性	**与反应:** Human **预测可用于:** Cow, Dog, Chimpanzee
免疫原	Synthetic peptide conjugated to KLH derived from within residues 650 to the C-terminus of Human Transglutaminase 2.参阅Abcam的专有抗源政策(Peptide available as ab73169.)
阳性对照	This antibody gave a positive signal in the following Human Lysates: Placenta Tissue, SW480 Whole Cell, HeLa Whole Cell, HepG2 Whole Cell

性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab73170** in the following tested applications.

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

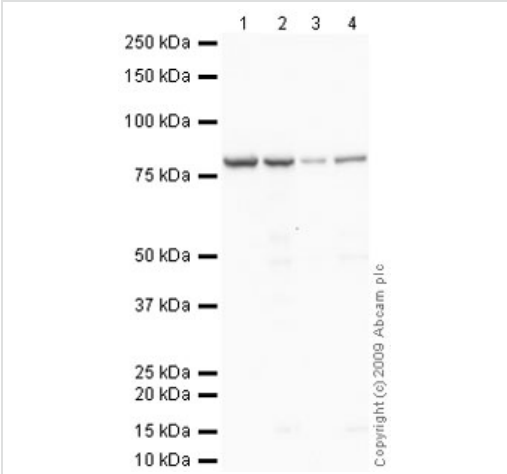
应用	Ab评论	说明
IHC-P		Use a concentration of 1 µg/ml.

应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 77 kDa (predicted molecular weight: 77 kDa).

靶标

功能	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.
序列相似性	Belongs to the transglutaminase superfamily. Transglutaminase family.

图片



Western blot - Anti-Transglutaminase 2 antibody (ab73170)

All lanes : Anti-Transglutaminase 2 antibody (ab73170) at 1 µg/ml

Lane 1 : Human placenta tissue lysate - total protein (ab29745)
Lane 2 : SW480 whole cell lysate (ab3957)
Lane 3 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 4 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

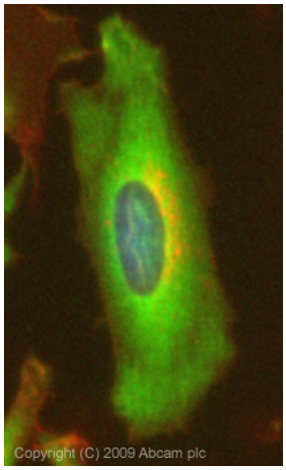
Secondary
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

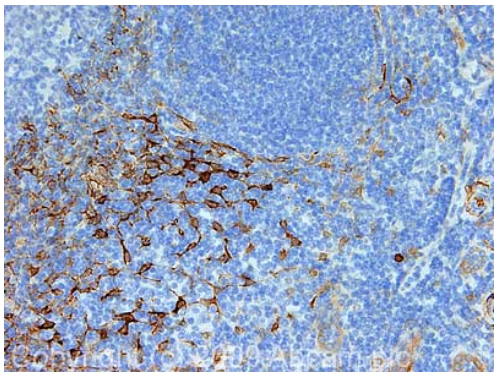
Predicted band size: 77 kDa
Observed band size: 77 kDa

Exposure time: 30 seconds



Immunocytochemistry/ Immunofluorescence - Anti-Transglutaminase 2 antibody (ab73170)

ICC/IF image of ab73170 stained HeLa cells. The cells were 4% PFA fixed (10 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 (ab73170, 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 4% PFA fixed (10 min) HepG2, Hek293 and MCF7 cells at 5µg/ml, and in 100% methanol fixed (5 min) HeLa, Hek293, HepG2 and MCF7 cells at 5µg/ml



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Transglutaminase 2 antibody (ab73170)

IHC image of Transglutaminase 2 staining in Human Tonsil FFPE section, performed on a BondTM 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 ab73170, 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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