abcam

Product datasheet

Anti-LYRIC antibody ab76742

2 References 2 图像

概述

产品名称	Anti-LYRIC抗体
描述	**兔多克隆抗体**to LYRIC
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, IHC-P, IHC-Fr, WB
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Synthetic peptide derived from the N terminal domain of human LYRIC protein

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: Whole serum
纯度	Whole antiserum
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab76742** in the following tested applications.

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

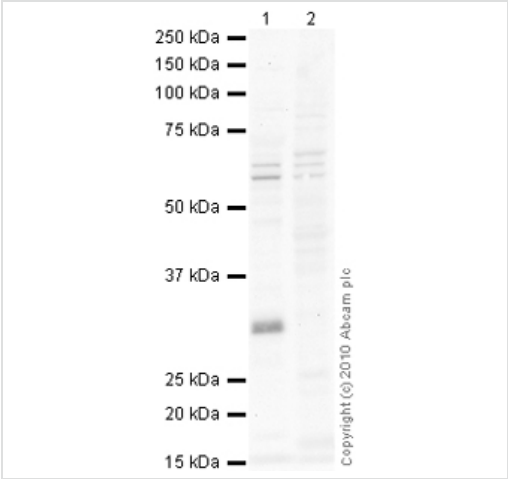
应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.
IHC-P		1/50 - 1/200.
IHC-Fr		1/50 - 1/200.

应用	Ab评论	说明
WB		1/100 - 1/1000. Detects a band of approximately 65 kDa (predicted molecular weight: 65 kDa).

靶标

功能	Downregulates SLC1A2/EAAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance.
组织特异性	Widely expressed with highest levels in muscle-dominating organs such as skeletal muscle, heart, tongue and small intestine and in endocrine glands such as thyroid and adrenal gland. Overexpressed in various cancers including breast, brain, prostate, melanoma and glioblastoma multiforme.
细胞定位	Endoplasmic reticulum membrane. Nucleus membrane. Cell junction > tight junction. Nucleus > nucleolus. Cytoplasm > perinuclear region. In epithelial cells, recruited to tight junctions (TJ) during the maturation of the TJ complexes. A nucleolar staining may be due to nuclear targeting of an isoform lacking the transmembrane domain (By similarity). TNF-alpha causes translocation from the cytoplasm to the nucleus.

图片



Western blot - Anti-LYRIC antibody (ab76742)

All lanes : Anti-LYRIC antibody (ab76742) at 1/500 dilution

Lane 1 : Human heart tissue lysate - total protein (ab29431)
Lane 2 : MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg/ml per lane.

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

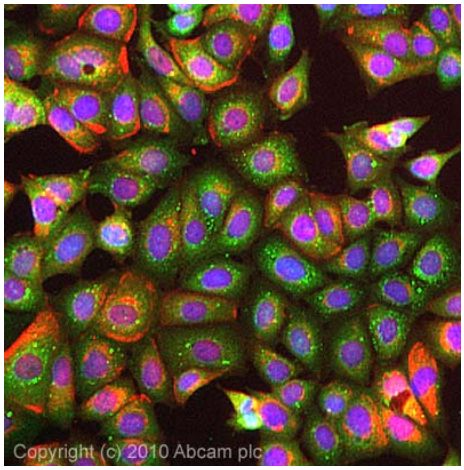
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 65 kDa
Observed band size: 65 kDa
Additional bands at: 32 kDa, 63 kDa, 67 kDa (possible post-translational modification). We are unsure as to the identity of these extra bands.

Exposure time: 3 minutes

LYRIC contains a number of potential phosphorylation sites (SwissProt) which may explain the higher migrating band at 67 kDa.



Immunocytochemistry/ Immunofluorescence - Anti-LYRIC antibody (ab76742)

ICC/IF image of ab76742 stained Mcf7 cells. The cells were 4% formaldehyde 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 (ab76742, 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.

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