abcam

Product datasheet

Anti-Ubiquilin/UBQLN1 antibody ab3341

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概述

产品名称	Anti-Ubiquilin/UBQLN1抗体
描述	兔多克隆抗体to Ubiquilin/UBQLN1
宿主	Rabbit
经测试应用	**适用于:** IHC-P, WB
种属反应性	**与反应:** Mouse, Human, Chinese hamster
免疫原	Synthetic peptide corresponding to Mouse Ubiquilin/UBQLN1 aa 2-18. Sequence: AESAESGGPPGAQDSAA Run BLAST with Run BLAST with
常规说明	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. 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

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	Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee	Abpromise™承诺保证使用ab3341于以下的经测试应用

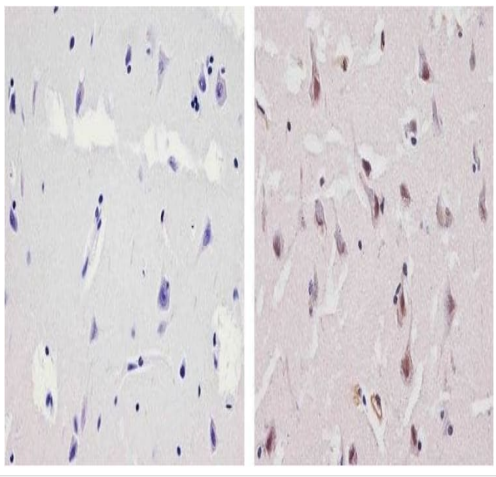
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/20 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★☆ (1)	Use a concentration of 1 µg/ml. Predicted molecular weight: 63 kDa. By Western blot, this antibody detects an ~63 kDa protein representing Ubiquilin from CHO cell extract.

靶标

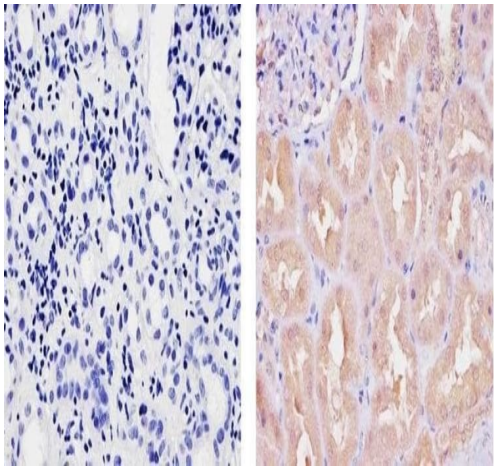
功能	Links CD47 to the cytoskeleton. Promotes the surface expression of GABA-A receptors (By similarity). Promotes the accumulation of uncleaved PSEN1 and PSEN2 by stimulating their biosynthesis. Has no effect on PSEN1 and PSEN2 degradation.
组织特异性	Ubiquitous. Highly expressed throughout the brain; detected in neurons and in neuropathological lesions, such as neurofibrillary tangles and Lewy bodies. Highly expressed in heart, placenta, pancreas, lung, liver, skeletal muscle and kidney.
序列相似性	Contains 1 UBA domain. Contains 1 ubiquitin-like domain.
结构域	Binds PSEN1 and PSEN2 via its UBA domain.
翻译后修饰	Phosphorylated.
细胞定位	Cytoplasm. Nucleus.

图片



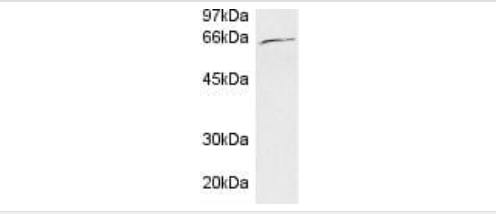
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ubiquilin/UBQLN1 antibody (ab3341)

Immunohistochemistry analysis of Ubiquilin showing staining in the nucleus and weak staining in the cytoplasm of paraffin-embedded human brain tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with ab3341 diluted in 3% BSA-PBS at a dilution of 1:100 for 1 hour at 37ºC in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ubiquilin/UBQLN1 antibody (ab3341)

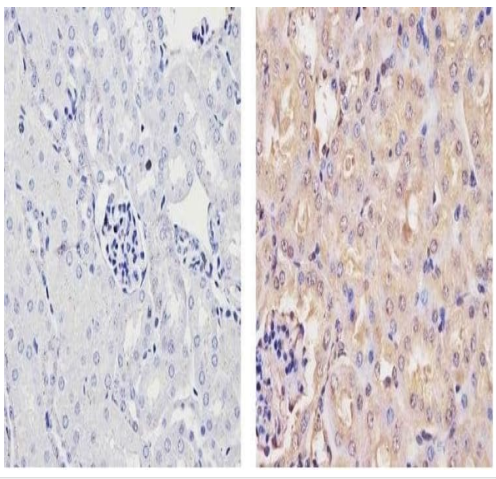
Immunohistochemistry analysis of Ubiquilin showing staining in the cytoplasm and nucleus of paraffin-embedded human kidney tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with ab3341 diluted in 3% BSA-PBS at a dilution of 1:100 for 1 hour at 37ºC in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Western blot - Anti-Ubiquilin/UBQLN1 antibody (ab3341)

Anti-Ubiquilin/UBQLN1 antibody (ab3341) + CHO (Chinese hamster ovary cell line) whole cell lysate

Predicted band size: 63 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ubiquilin/UBQLN1 antibody (ab3341)

Immunohistochemistry analysis of Ubiquilin showing staining in the cytoplasm and nucleus of paraffin-embedded mouse kidney tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with ab3341 diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37ºC in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

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