

Product datasheet

Anti-Mint3 antibody ab3450

★★★★★ 1 Abreviews 1 图像

概述

产品名称	Anti-Mint3抗体
描述	兔多克隆抗体to Mint3
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Rat Mint3 aa 1-19. Sequence: MEFLPEPQHPPGPPTMDLE (Peptide available as ab4981)
	Run BLAST with Run BLAST with
阳性对照	AtT20 cell extract.

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: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
Primary antibody说明	The munc-18 interacting (Mint) protein family is a group of evolutionarily conserved adaptor proteins that function in membrane transport and organization. In mammals, there exist three mint isoforms, Mint 1, 2, and 3. Although there is little amino acid sequence conservation in the amino-terminal half, the carboxy-terminal half of these proteins is highly conserved. Within this conserved portion there exists a phosphotyrosine-binding (PTB) and a PSD-95/DLG-A/ZO-1 (PDZ) domain, which function as protein interaction modules. Mint 1 and 2 appear to be expressed exclusively in the brain and are found to bind to munc-18, an essential component of the synaptic vesicle fusion machinery. Mint 3 is ubiquitously expressed in all tissues and is expressed at the lowest levels in the brain and testis. Studies show that Mint 3 does not interact with munc-18. Mint 3 has been found to interact with the Alzheimer's Disease-related amyloid precursor protein (APP) and does so through its PTB and PDZ domains. It has been suggested

that Mint 3 links APP to other transport machinery components, thereby regulating its transport, endocytosis, and metabolism. Abnormal APP metabolism has been shown to be the cause of an early-onset type of Alzheimer's disease.

克隆 多克隆
同种型 IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab3450** 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 at an assay dependent concentration.
WB		Use a concentration of 2 µg/ml. Detects a band of approximately 86 kDa (predicted molecular weight: 61 kDa). Can be blocked with Mint3 peptide (ab4981) . By Western blot, this antibody detects an ~86 kDa protein representing Mint 3 from AtT20 cell extract.

靶标

功能 May modulate processing of the beta-amyloid precursor protein (APP) and hence formation of beta-APP. May enhance the activity of HIF1A in macrophages by inhibiting the activity of HIF1AN.

组织特异性 Expressed in all tissues examined with lower levels in brain and testis.

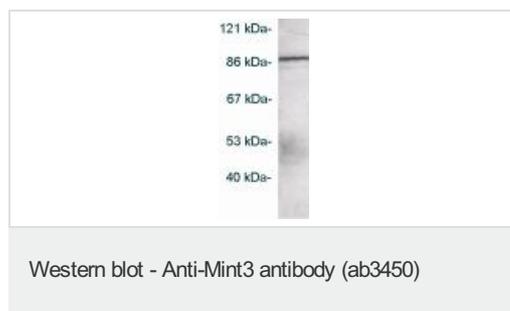
序列相似性 Contains 2 PDZ (DHR) domains.

Contains 1 PID domain.

结构域 Composed of an N-terminal domain, a middle phosphotyrosine-binding domain (PID/PTB) that mediates binding with the cytoplasmic domain of the beta-amyloid precursor protein, and two C-terminal PDZ domains thought to attach proteins to the plasma membrane.

细胞定位 Cytoplasm > perinuclear region.

图片



Western blot detection of Mint3 on AtT20 cell extract using ab3450.

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