# abcam

## Product datasheet

## Anti-CHMP1a antibody [EPR11938(B)] ab167412



重组 RabMAb

1 References 3 图像

## 概述

产品名称 Anti-CHMP1a抗体[EPR11938(B)]

描述 兔单克隆抗体[EPR11938(B)] to CHMP1a

宿主 Rabbit

适用于: WB, ICC/IF 经测试应用

不适用于: Flow Cyt,IHC-P or IP

种属反应性 与反应: Mouse, Rat, Human

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

阳性对照 293T, HeLa, LNCaP, C6, RAW264.7 and PC12 cell lysates; HeLa cells.

常规说明 This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility

- Improved sensitivity and specificity

- Long-term security of supply

- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**® **patents**.

## 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 long

term.

存储溶液 pH: 7.2

Preservative: 0.01% Sodium azide

Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA

纯度 Protein A purified

克隆 单克隆

克隆编号 EPR11938(B)

同种型 ΙgG

## The Abpromise guarantee

## Abpromise™承诺保证使用ab167412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
WB		1/1000 - 1/10000. Predicted molecular weight: 22 kDa.
ICC/IF		1/250 - 1/500.

应用说明

Is unsuitable for Flow Cyt, IHC-P or IP.

#### 靶标

#### 功能

Probable peripherally associated component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I,-II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. Involved in cytokinesis. Involved in recruiting VPS4A and/or VPS4B to the midbody of dividing cells. May also be involved in chromosome condensation. Targets the Polycomb group (PcG) protein BMI1/PCGF4 to regions of condensed chromatin. May play a role in stable cell cycle progression and in PcG gene silencing.

组织特异性

序列相似性

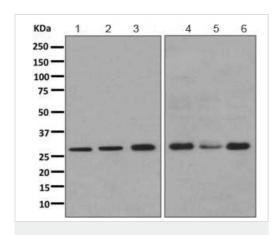
细胞定位

Expressed in placenta, cultured skin fibroblasts and in osteoblast cell line MG-63.

Belongs to the SNF7 family.

Cytoplasm. Endosome membrane. Nucleus matrix. The cytoplasmic form is partially membrane-associated and localizes to early endosomes. The nuclear form remains associated with the chromosome scaffold during mitosis. On overexpression, it localizes to nuclear bodies characterized by nuclease-resistant condensed chromatin.

## 图片



Western blot - Anti-CHMP1a antibody [EPR11938(B)] (ab167412)

**All lanes :** Anti-CHMP1a antibody [EPR11938(B)] (ab167412) at 1/1000 dilution

Lane 1 : 293T cell lysate
Lane 2 : HeLa cell lysate
Lane 3 : LNCaP cell lysate

Lane 4: C6 cell lysate

Lane 5: RAW264.7 cell lysate

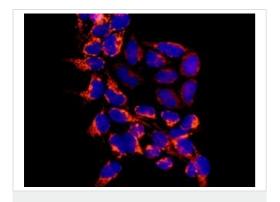
Lane 6: PC12 cell lysate

Lysates/proteins at 10 µg per lane.

## Secondary

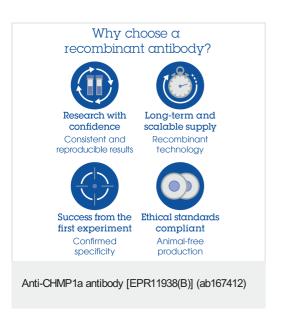
**All lanes :** Goat anti-rabbit HRP conjugated antibody at 1/2000 dilution

Predicted band size: 22 kDa



Immunocytochemistry/ Immunofluorescence - Anti-CHMP1a antibody [EPR11938(B)] (ab167412)

Immunofluorescent analysis of HeLa cells labeling CHMP1a with ab167412 at 1/250 dilution. DAPI nuclear staining is shown in blue.



Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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