

Product datasheet

Anti-UBE2S antibody [AT2C12] ab93904

2 图像

概述

产品名称	Anti-UBE2S抗体[AT2C12]
描述	小鼠单克隆抗体[AT2C12] to UBE2S
宿主	Mouse
经测试应用	适用于: WB, ELISA, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant full length Human E2 EPF protein (NP_055316.2) purified from <i>E. coli</i> .
阳性对照	WB: 293T cell lysates ICC/IF: HeLa cells
常规说明	<p>ab93904 is derived from hybridization of Mouse F0 myeloma cells with spleen cells from BALB/c mice.</p> <p>Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
纯度	Protein A purified
Primary antibody说明	ab93904 is derived from hybridization of Mouse F0 myeloma cells with spleen cells from BALB/c mice.
克隆	单克隆
克隆编号	AT2C12
同种型	IgG2a
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab93904** in the following tested applications.

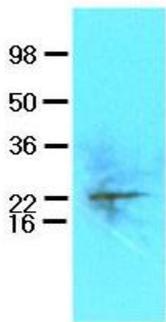
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/250 - 1/500. Predicted molecular weight: 24 kDa.
ELISA		1/250 - 1/500.
ICC/IF		Use at an assay dependent dilution.

靶标

功能	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes 'Lys-11'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis. Acts by specifically elongating 'Lys-11'-linked polyubiquitin chains initiated by the E2 enzyme UBE2C/UBCH10 on APC/C substrates, enhancing the degradation of APC/C substrates by the proteasome and promoting mitotic exit. Also acts by elongating ubiquitin chains initiated by the E2 enzyme UBE2D1/UBCH5 in vitro; it is however unclear whether UBE2D1/UBCH5 acts as a E2 enzyme for the APC/C in vivo. Also involved in ubiquitination and subsequent degradation of VHL, resulting in an accumulation of HIF1A. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, except 'Lys-48'-linked polyubiquitination.
通路	Protein modification; protein ubiquitination.
序列相似性	Belongs to the ubiquitin-conjugating enzyme family.
翻译后修饰	Autoubiquitinated by the APC/C complex during G1, leading to its degradation by the proteasome.

图片



Western blot - Anti-UBE2S antibody [AT2C12] (ab93904)

Anti-UBE2S antibody [AT2C12] (ab93904) at 1/250 dilution + 293T cell lysates at 50 µg

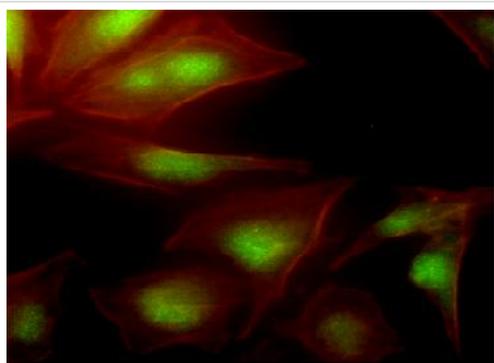
Secondary

Goat anti Mouse secondary antibody conjugated to HRP

Developed using the ECL technique.

Predicted band size: 24 kDa

Cell lysates were resolved by SDS-PAGE, transferred to NC membrane and then probed.



Immunocytochemistry/ Immunofluorescence - Anti-UBE2S antibody [AT2C12] (ab93904)

Immunofluorescence analysis of Human HeLa cells stained with Phalloidin-TRITC (Red) for Actin staining, and ab93904 (1/500 dilution) with Alexa 488 (Green).

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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