

Product datasheet

Anti-UBE3A antibody ab58266

2 图像

概述

产品名称	Anti-UBE3A抗体
描述	小鼠单克隆抗体to UBE3A
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Recombinant fragment: ETFQQLITYK VISNEFNSRN LVNDDDAVA ASKCLKMVYY ANVVGGEVDT NHNEEDDEEP IPESSELTQ ELLGEEERRNK KGPRVDPLET ELGVKTLDCR , corresponding to amino acids 51-151 of Human UBE3A Run BLAST with ExPASy Run BLAST with NCBI

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: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2a
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab58266** 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
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WB

应用说明	WB: Use at a concentration of 1-5 µg/ml. IHC-P: Use at a concentration of 3 µg/ml.
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Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and transfers it to its substrates. Several substrates have been identified including the RAD23A and RAD23B, MCM7 (which is involved in DNA replication), annexin A1, the PML tumor suppressor, and the cell cycle regulator CDKN1B. Catalyzes the high-risk human papilloma virus E6-mediated ubiquitination of p53/TP53, contributing to the neoplastic progression of cells infected by these viruses. Additionally, may function as a cellular quality control ubiquitin ligase by helping the degradation of the cytoplasmic misfolded proteins. Finally, UBE3A also promotes its own degradation in vivo. Plays an important role in the regulation of the circadian clock: involved in the ubiquitination of the core clock component ARNTL/BMAL1, leading to its proteasomal degradation (PubMed:24728990).

通路

Protein modification; protein ubiquitination.

疾病相关

Angelman syndrome

序列相似性

Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.

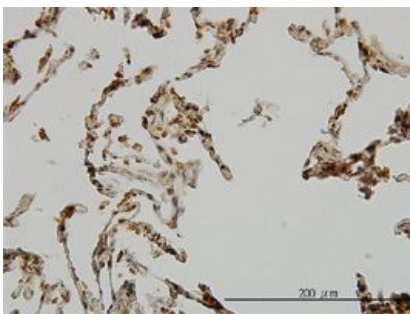
翻译后修饰

Phosphorylation at Tyr-659 by ABL1 impairs E3 ligase activity and protects p53/TP53 from degradation in (HPV)-infected cells.

细胞定位

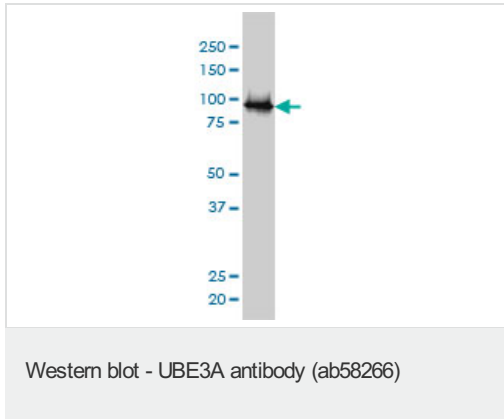
Nucleus. Cytoplasm.

图片



IHC-P - UBE3A antibody (ab58266)

UBE3A antibody (ab58266) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human lung.



Predicted band size : 101 kDa

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