


Product datasheet

Anti-JAB1 antibody ab12323

★★★★★ 2 Abreviews 5 References 4 图像

概述

产品名称	Anti-JAB1抗体
描述	兔多克隆抗体to JAB1
宿主	Rabbit
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Xenopus laevis, Chimpanzee, Zebrafish, Rhesus monkey, Orangutan, Xenopus tropicalis 
免疫原	Immunogen was a synthetic peptide, which represented a c-terminal domain of human JAB1 (LocusLink ID 10987).
阳性对照	HEK 293T cells. IF/ICC: HeLa cell line.
常规说明	Centrifuge tube to remove product from lid.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: 8mM PBS, 60mM Citrate, 150mM Tris, pH 7-8
纯度	Immunogen affinity purified
纯化说明	Purified using the peptide immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab12323** 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
IHC-P		1/250 - 1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 10 µg/ml.
WB	★★★★★	1/5000 - 1/25000. Detects a band of approximately 33, 36 kDa (predicted molecular weight: 40 kDa).

靶标

功能

Probable protease subunit of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of the SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκappaBα/NFKBIA, ITPK1 and IRF8, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. In the complex, it probably acts as the catalytic center that mediates the cleavage of Nedd8 from cullins. It however has no metalloprotease activity by itself and requires the other subunits of the CSN complex. Interacts directly with a large number of proteins that are regulated by the CSN complex, confirming a key role in the complex.

序列相似性

Belongs to the peptidase M67A family. CSN5 subfamily.
Contains 1 MPN (JAB/Mov34) domain.

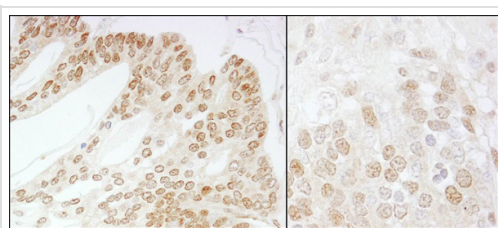
结构域

The JAMM motif is essential for the protease activity of the CSN complex resulting in deneddylation of cullins. It constitutes the catalytic center of the complex.

细胞定位

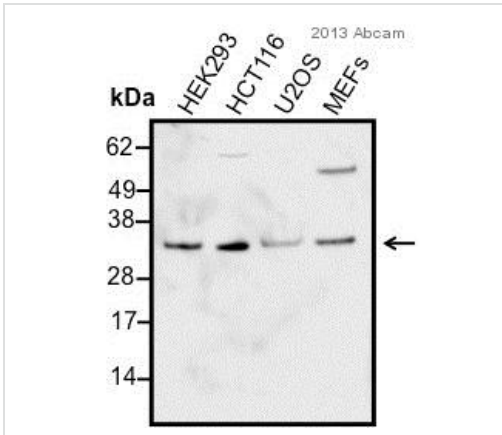
Cytoplasm. Nucleus.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma (left) and mouse teratoma (right) tissues labelling JAB1 with ab12323 at 1/500 (2µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JAB1 antibody (ab12323)



Western blot - Anti-JAB1 antibody (ab12323)
This image is courtesy of an anonymous Abreview

All lanes : Anti-JAB1 antibody (ab12323) at 1/2500 dilution

Lane 1 : HEK293 whole cell lysate

Lane 2 : HCT116 whole cell lysate

Lane 3 : U2OS whole cell lysate

Lane 4 : Mouse embryonic fibroblast whole cell lysate

Lysates/proteins at 35 µg per lane.

Secondary

All lanes : HRP-conjugated Goat anti-rabbit polyclonal at 1/5000 dilution

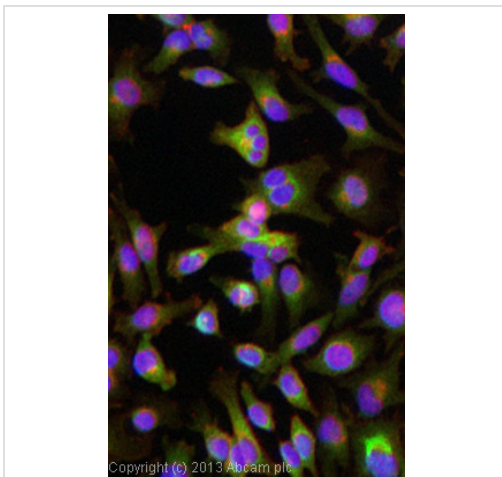
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 40 kDa

Observed band size: 35 kDa

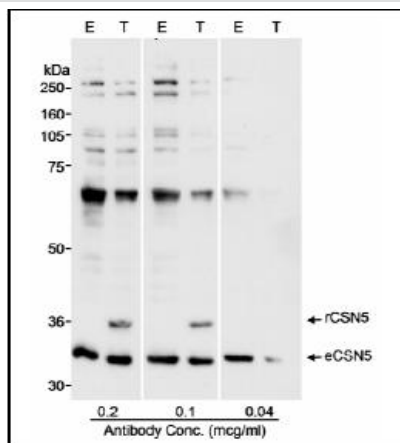
Exposure time: 10 seconds



Immunocytochemistry/ Immunofluorescence - Anti-JAB1 antibody (ab12323)

ICC/IF image of ab12323 stained HeLa cells.

The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab12323, 10µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#), DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - JAB1 antibody (ab12323)

Detection of Human CSN5 by Western

Blot. *Samples:* Whole cell lysate (50 mcg E; 25 mcg T) from HEK 293T cells that were mock transfected (E) or transfected with a CSN5 expression construct (T). *Antibody:* Affinity purified rabbit anti-CSN5 antibody BL1062 used at the indicated concentrations. *Detection:* Chemiluminescence with a 10 second exposure.

Detection of Human CSN5 by Western Blot. *Samples:* Whole cell lysate (50 mcg E; 25 mcg T) from HEK 293T cells that were mock transfected (E) or transfected with a CSN5 expression construct (T). *Antibody:* Affinity purified rabbit anti-CSN5 antibody BL1062 used at the indicated concentrations. *Detection:* Chemiluminescence with a 10 second exposure.

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