

## Product datasheet

## Anti-JAB1 antibody [2A10] ab495

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概述

产品名称	Anti-JAB1抗体[2A10]
描述	小鼠单克隆抗体[2A10] to JAB1
宿主	Mouse
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Fusion protein encoding the full-length (amino acids 1-334) mouse JAB-1 gene expressed in <i>E. coli</i> .
阳性对照	Recombinant JAB-1 protein, 293 cells.

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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 Constituents: 10mM PBS, pH 7.4
纯度	Protein G purified
纯化说明	Purified from hybridoma cell culture supernatant by protein G chromatography to at least 95% homogeneity as determined by SDS-PAGE.
克隆	单克隆
克隆编号	2A10
骨髓瘤	NS1
同种型	IgG2b
轻链类型	kappa

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应用

## The Abpromise guarantee

Abpromise™承诺保证使用ab495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)	Use a concentration of 0.5 - 1 µg/ml.
IP		Use a concentration of 0.5 - 1 µg/ml.
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 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 deneddylolation 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, IkappaBalph/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.

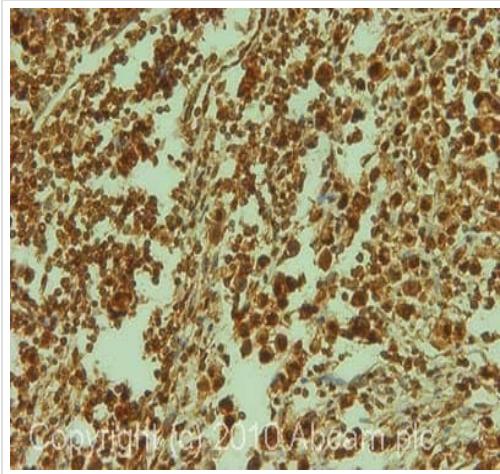
### 结构域

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

### 细胞定位

Cytoplasm. Nucleus.

## 图片

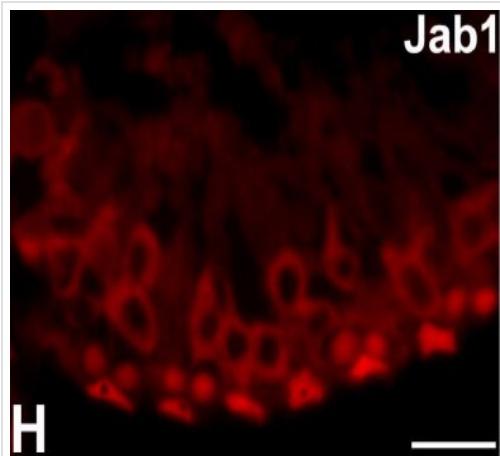


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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JAB1 antibody [2A10] (ab495)

IHC image of ab495 staining in human breast carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond<sup>TM</sup> system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab495, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JAB1 antibody [2A10] (ab495)

Image from Cayli S et al., Reprod Biol Endocrinol. 2011 Aug 19;9:117. Fig 2.; doi:10.1186/1477-7827-9-117; 19 August 2011, Reproductive Biology and Endocrinology 2011, 9:117

Immunohistochemical analysis of rat testis tissue, staining JAB1 with ab495. Sections were incubated with primary antibody overnight at 4°C. A rhodamine-conjugated goat anti-mouse IgG was used as the secondary antibody.

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