

Product datasheet

Anti-YB1 antibody ab114999

4 图像

概述

产品名称	Anti-YB1抗体
描述	兔多克隆抗体to YB1
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, IP
种属反应性	与反应: Mouse, Human 预测可用于: Sheep, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pigeon, Pig, Xenopus laevis, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide, corresponding to a region within amino acids 224-274 of Human YB1 (NP_004550).
阳性对照	Hela, Jurkat and 293T cell lysates

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: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate Note: pH 7 to 8
纯度	Immunogen affinity purified
纯化说明	ab114999 was affinity purified using an epitope specific to YB1 immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab114999** in the following tested applications.

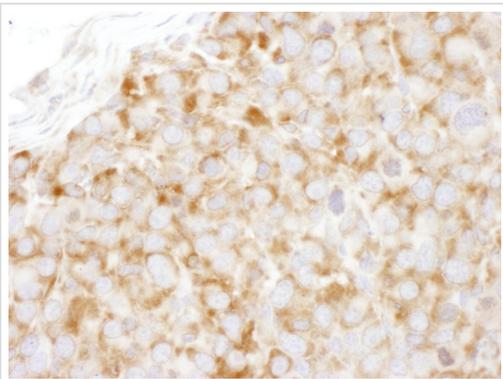
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		1/500 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Predicted molecular weight: 36 kDa.
IP		Use at 2-10 µg/mg of lysate.

## 靶标

<b>功能</b>	<p>Mediates pre-mRNA alternative splicing regulation. Binds to splice sites in pre-mRNA and regulates splice site selection. Binds and stabilizes cytoplasmic mRNA. Contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors (By similarity). Regulates the transcription of numerous genes. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at 'Lys-6' and 'Lys-7'. Binds to promoters that contain a Y-box (5'-CTGATTGCCAA-3'), such as MDR1 and HLA class II genes. Promotes separation of DNA strands that contain mismatches or are modified by cisplatin. Has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). May play a role in DNA repair. Component of the CRD-mediated complex that promotes MYC mRNA stability. The secreted form acts as an extracellular mitogen and stimulates cell migration and proliferation.</p>
<b>序列相似性</b>	Contains 1 CSD (cold-shock) domain.
<b>翻译后修饰</b>	<p>Ubiquitinated by RBBP6; leading to a decrease of YBX1 transactivational ability. In the absence of phosphorylation the protein is retained in the cytoplasm. Cleaved by a 20S proteasomal protease in response to agents that damage DNA. Cleavage takes place in the absence of ubiquitination and ATP. The resulting N-terminal fragment accumulates in the nucleus.</p>
<b>细胞定位</b>	<p>Cytoplasm. Nucleus. Cytoplasmic granule. Secreted. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Shuttles between nucleus and cytoplasm. Predominantly cytoplasmic in proliferating cells. Cytotoxic stress and DNA damage enhance translocation to the nucleus. Localized with DDX1, MBNL1 and TIAL1 in stress granules upon stress. Secreted by mesangial and monocytic cells after inflammatory challenges. Translocates from the cytoplasm to the nucleus after and colocalizes with APEX1 in nuclear speckles after genotoxic stress.</p>

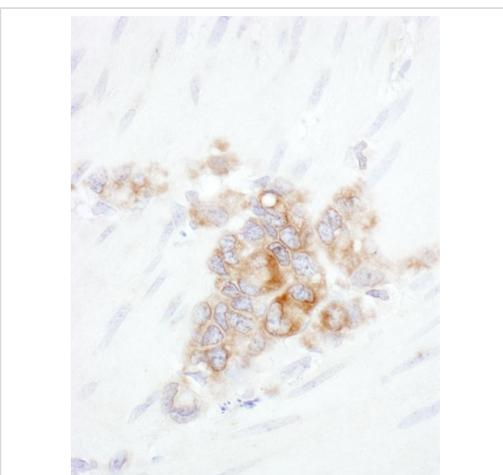
## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-YB1 antibody (ab114999)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse renal cell carcinoma tissue labelling YB1 with ab114999 at 1/1000 (1 µg/ml).

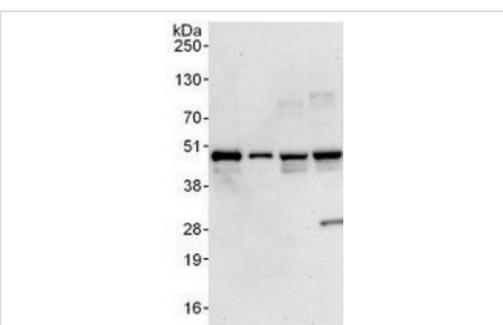
Detection: DAB.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-YB1 antibody (ab114999)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human stomach linitis plastica tissue labelling YB1 with ab114999 at 1/5000 (0.2 µg/ml).

Detection: DAB.



Western blot - Anti-YB1 antibody (ab114999)

**All lanes** : Anti-YB1 antibody (ab114999) at 0.1 µg/ml

**Lane 1** : HeLa cell lysate at 50 µg

**Lane 2** : HeLa cell lysate at 15 µg

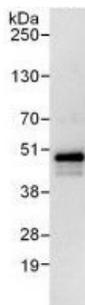
**Lane 3** : 293T cell lysate at 50 µg

**Lane 4** : Jurkat cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 36 kDa

**Exposure time:** 30 seconds



Immunoprecipitation - Anti-YB1 antibody (ab114999)

**Immunoprecipitation :** 1 mg of HeLa cell lysate immunoprecipitated using [ab11499](#) at 6 µg/mg lysate; 20% of immunoprecipitate loaded per lane

**Western Blot:** ab114999 at 1 µg/ml

developed using the ECL technique

**Exposure time:** 3 seconds

**Predicted band size :** 36 kDa

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

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