

Recombinant Human YB1 protein ab187443

4 References **1 图像**

描述

产品名称	重组人YB1蛋白
纯度	> 85 % SDS-PAGE. ab187443 was purified using conventional chromatography.
表达系统	Escherichia coli
Accession	<u>P67809</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<pre> MGSSHHHHHH SSGLVPRGSH MGSMSSAEET QPPPAAPPAA PALSAAATKP GTTGSGAGSG GPGGLTSAAP AGGDKKVIAT KVLGTVKWFN VRNGYGFINR NDTKEDVFNH QTAIKKNNPR KYLRVSGDGE TVEFDVVEGE KGAEAAANVTG PGGVPVQGSK YAADRNHYRR YPRRRGPPRN YQQNYQNSSE GEKNEGSESA PEGQAQRRP YRRRRFPPYY MRRPYGRRPQ YSNPPVQGEV MEGADNQGAG EQGRPVRQNM YRGYRPRFRR GPPRQRQPRE DGNEEDKENQ GDETQGQPP QRRYRRNFNY RRRRPENPKP QDGKETKAAD PPAENSSAPE AEQGGAE </pre>
预测分子量	38 kDa including tags
氨基酸	1 to 324
标签	His tag N-Terminus
额外的序列信息	NP_004550.

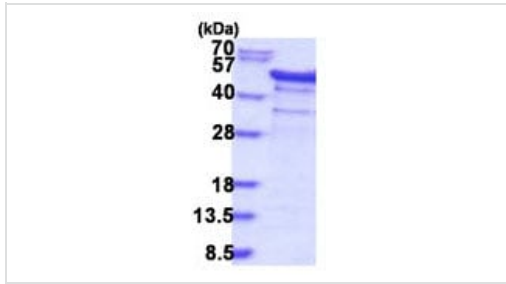
技术指标

Our **Abpromise guarantee** covers the use of **ab187443** in the following tested applications.

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

应用	SDS-PAGE
	Mass Spectrometry

质谱法	MALDI-TOF
形式	Liquid
制备和贮存	
稳定性和存储	<p>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 7.40</p> <p>Constituents: 80% PBS, 20% Glycerol (glycerin, glycerine)</p>
常规信息	
功能	<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'-CTGATTGGCCAA-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.</p> <p>The secreted form acts as an extracellular mitogen and stimulates cell migration and proliferation.</p>
序列相似性	Contains 1 CSD (cold-shock) domain.
翻译后修饰	<p>Ubiquitinated by RBBP6; leading to a decrease of YBX1 transactivational ability.</p> <p>In the absence of phosphorylation the protein is retained in the cytoplasm.</p> <p>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>
细胞定位	<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	



15% SDS-PAGE analysis of ab187443 (3µg).

SDS-PAGE - Recombinant Human YB1 protein
(ab187443)

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