

# SLBP Rabbit mAb

Catalog # AP76090

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IP, ICC
<b>Primary Accession</b>	<a href="#">Q14493</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	31286

## Additional Information

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<b>Gene ID</b>	7884
<b>Other Names</b>	SLBP
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A
<b>Format</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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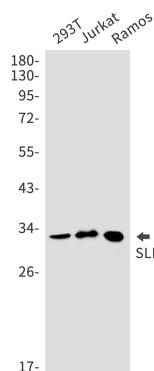
<b>Name</b>	SLBP
<b>Synonyms</b>	HBP
<b>Function</b>	RNA-binding protein involved in the histone pre-mRNA processing (PubMed: <a href="#">12588979</a> , PubMed: <a href="#">19155325</a> , PubMed: <a href="#">8957003</a> , PubMed: <a href="#">9049306</a> ). Binds the stem-loop structure of replication-dependent histone pre-mRNAs and contributes to efficient 3'-end processing by stabilizing the complex between histone pre-mRNA and U7 small nuclear ribonucleoprotein (snRNP), via the histone downstream element (HDE) (PubMed: <a href="#">12588979</a> , PubMed: <a href="#">19155325</a> , PubMed: <a href="#">8957003</a> , PubMed: <a href="#">9049306</a> ). Plays an important role in targeting mature histone mRNA from the nucleus to the cytoplasm and to the translation machinery (PubMed: <a href="#">12588979</a> , PubMed: <a href="#">19155325</a> , PubMed: <a href="#">8957003</a> , PubMed: <a href="#">9049306</a> ). Stabilizes mature histone mRNA and could be involved in cell-cycle regulation of histone gene expression (PubMed: <a href="#">12588979</a> , PubMed: <a href="#">19155325</a> , PubMed: <a href="#">8957003</a> , PubMed: <a href="#">9049306</a> ). Involved in the mechanism by which growing oocytes accumulate histone proteins that support early embryogenesis (By similarity). Binds to the 5' side of the stem-loop structure of histone pre-mRNAs (By similarity).

**Cellular Location**

Cytoplasm. Nucleus. Note=Polyribosome-associated (PubMed:12588979). Localizes predominantly in the nucleus at the G1/G2 phases and the beginning of S phase (PubMed:12588979). Through the S phase, partially redistributes to the cytoplasm (PubMed:12588979) Binding to histone mRNA is necessary for cytoplasmic localization (PubMed:12588979). Shuttles between the nucleus and the cytoplasm (PubMed:15829567). Imported in the nucleus by the Importin alpha/Importin beta receptor (PubMed:15829567)

**Tissue Location**

Widely expressed..

**Images**

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