

## Product datasheet

# Anti-HEXO antibody ab93385

1 Image

### Overview

<b>Product name</b>	Anti-HEXO antibody
<b>Description</b>	Rabbit polyclonal to HEXO
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Synthetic peptide derived from Human HEXO.
<b>Positive control</b>	Rat brain lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: PBS, pH 7.4
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from serum by protein A chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab93385** in the following tested applications.

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

Application	Abreviews	Notes
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WB

<b>Application notes</b>	WB: 1/500 - 1/3000. Detects a band of approximately 40 kDa (predicted molecular weight: 40 kDa).
	Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

### Function

RNA exonuclease that binds to the 3'-end of histone mRNAs and degrades them, suggesting that it plays an essential role in histone mRNA decay after replication. A 2' and 3'-hydroxyl groups at the last nucleotide of the histone 3'-end is required for efficient degradation of RNA substrates. Also able to degrade the 3'-overhangs of short interfering RNAs (siRNAs) in vitro, suggesting a possible role as regulator of RNA interference (RNAi). Requires for binding the 5'-ACCCA-3' sequence present in stem-loop structure. Able to bind other mRNAs. Required for 5.8S rRNA 3'-end processing. Also binds to 5.8s ribosomal RNA. Binds with high affinity to the stem-loop structure of replication-dependent histone pre-mRNAs.

### Sequence similarities

Contains 1 exonuclease domain.  
Contains 1 SAP domain.

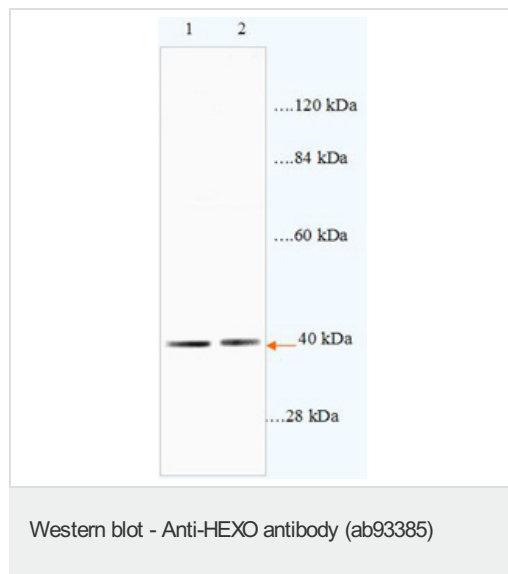
### Domain

The SAP domain is necessary for binding to the stem-loop structure of histone mRNAs and to form the ternary complex with SLBP, but not for 3'-end histone mRNA exonuclease activity.

### Cellular localization

Cytoplasm. Nucleus. Nucleus > nucleolus.

## Images



**All lanes :** Anti-HEXO antibody (ab93385) at 1/1000 dilution

**All lanes :** Rat brain lysate

Lysates/proteins at 84 µg per lane.

**Predicted band size:** 40 kDa

**Observed band size:** 40 kDa

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

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