

Product datasheet

Anti-HEXO antibody ab93385

1 Image

Overview

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

Properties

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

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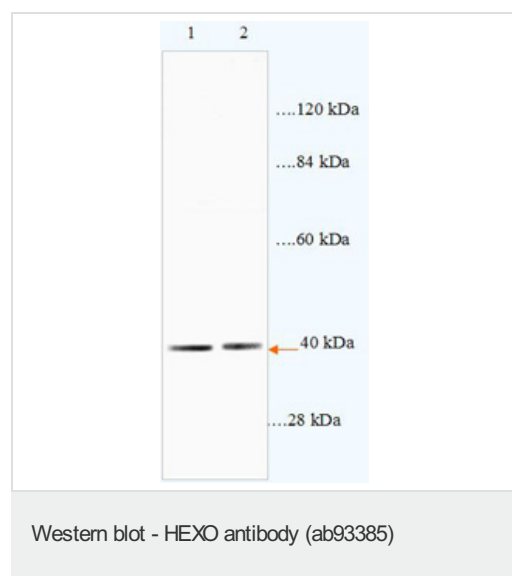
Not yet tested in other applications.

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

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