

Product datasheet

Anti-LHX6 antibody ab45983

★★★★★ 1 Abreviews 1 References 2 Images

Overview

Product name	Anti-LHX6 antibody
Description	Rabbit polyclonal to LHX6
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-FoFr
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human LHX6. Read Abcam's proprietary immunogen policy (Peptide available as ab45982 .)
Positive control	ab45983 gave a positive signal in Human Brain Tissue Lysate.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab45983** in the following tested applications.

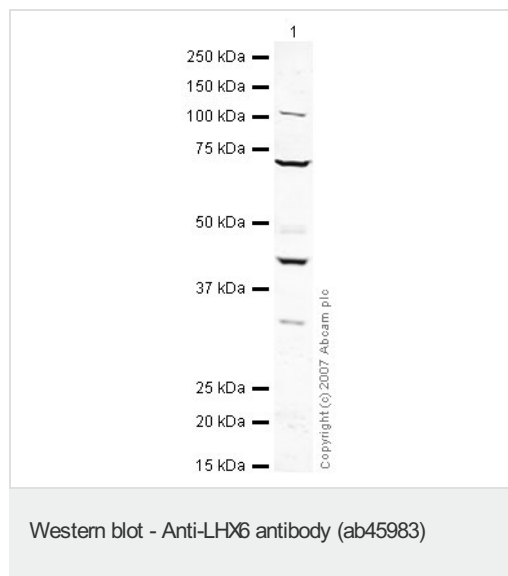
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 43 kDa (predicted molecular weight: 40 kDa).
IHC-FoFr	★★★★★	1/1000.

Target

Function	Probable transcription factor required for the expression of a subset of genes involved in interneurons migration and development. Functions in the specification of cortical interneuron subtypes and in the migration of GABAergic interneuron precursors from the subpallium to the cerebral cortex.
Sequence similarities	Contains 1 homeobox DNA-binding domain. Contains 2 LIM zinc-binding domains.
Cellular localization	Nucleus.

Images



Anti-LHX6 antibody (ab45983) at 1 µg/ml + Human brain tissue lysate - total protein (ab29466) at 10 µg

Secondary

IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 40 kDa

Observed band size: 43 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 105 kDa, 72 kDa. We are unsure as to the identity of these extra bands.



ab45983 staining LHX6 in mouse brain tissue section by Immunohistochemistry (PFA perfusion fixed frozen sections). Tissue from 4% PFA perfused animals underwent overnight fixation in 4% paraformaldehyde, cryoprotected in 30% sucrose and cut using cryostat. The primary antibody was diluted, 1/1000 (PBS + 0.3% Triton X100) and incubated with sample for 18 hours at 20°C. An Alexa Fluor®488 conjugated goat polyclonal to rabbit IgG at 1/1000 dilution, was used as secondary.

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