


Product datasheet

Anti-LHX5 antibody ab88185

[6 Images](#)

Overview

Product name	Anti-LHX5 antibody
Description	Mouse monoclonal to LHX5
Host species	Mouse
Tested applications	Suitable for: WB, ELISA, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Xenopus laevis, Zebrafish 
Immunogen	Recombinant fragment: CTDRSLSPDL QDALQDDPKE TDNSTSSDKE TANNENEEQN SGTKRRGPRT TIKAKQLETL KAAFAATPKP TRHIREQLAQ ETGLNMRVIQ VWFQNRRSKE, corresponding to amino acids 136-235 of Human LHX5 (NP_071758) with a proprietary tag. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Partial recombinant tagged LHX5 protein. 293, MES-SA/DX5, Y-79, and Jurkat cell lysates. HeLa cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab88185** in the following tested applications.

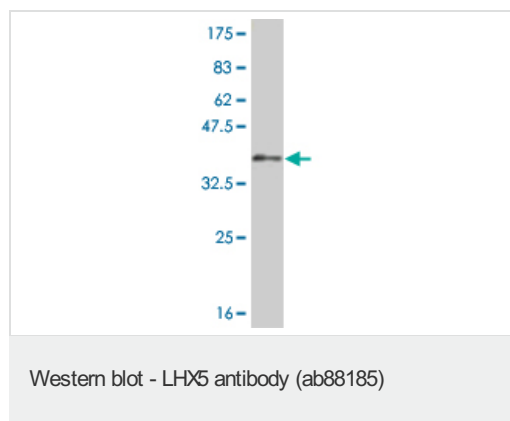
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 44 kDa.
ELISA		Use at an assay dependent dilution. Detection limit for recombinant tagged LHX5 is approximately 3ng/ml when used as a capture antibody.
ICC/IF		Use a concentration of 10 µg/ml.

Target

Function	Plays an essential role in the regulation of neuronal differentiation and migration during development of the central nervous system.
Tissue specificity	Expressed in fetal brain and in various regions of the adult central nervous system including the spinal cord, the thalamus, and the cerebellum.
Sequence similarities	Contains 1 homeobox DNA-binding domain. Contains 2 LIM zinc-binding domains.
Cellular localization	Nucleus.

Images



Anti-LHX5 antibody (ab88185) at 1 µg/ml +
Partial recombinant tagged LHX5
(Immunogen) at 0.1 µg

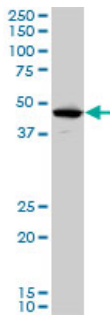
Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/5000 dilution

Predicted band size: 44 kDa

Observed band size: 37 kDa

Western blot against tagged recombinant
protein immunogen. Predicted band size of
immunogen is 37 kDa.



Western blot - LHX5 antibody (ab88185)

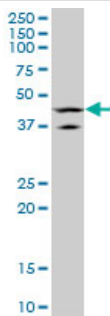
Anti-LHX5 antibody (ab88185) at 1 μ g/ml +
293 cell lysate at 25 μ g

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa



Western blot - LHX5 antibody (ab88185)

Anti-LHX5 antibody (ab88185) at 1 μ g/ml +
MES-SA/Dx5 cell lysate at 25 μ g

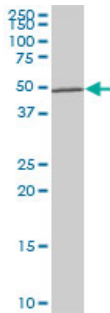
Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa

Additional bands at: 37 kDa. We are unsure
as to the identity of these extra bands.



Western blot - LHX5 antibody (ab88185)

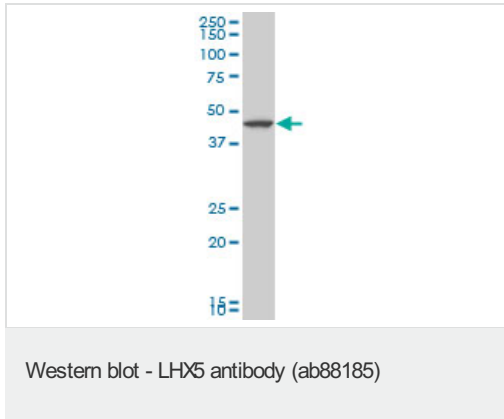
Anti-LHX5 antibody (ab88185) at 1 μ g/ml + Y-
79 cell lysate at 25 μ g

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 44 kDa

Observed band size: 48 kDa



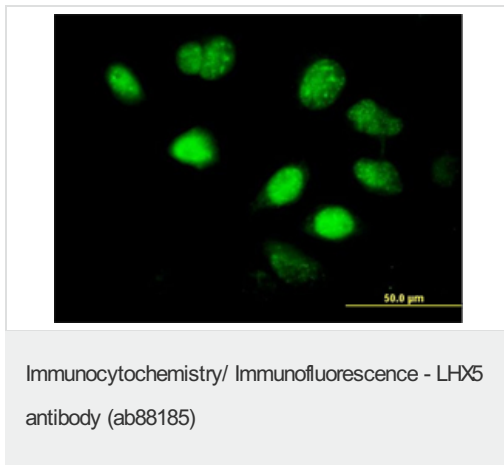
Anti-LHX5 antibody (ab88185) at 1 µg/ml +
Jurkat cell lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa



ab88185, at 10 µg/ml, staining LHX5 in
permeabilised, paraformaldehyde fixed HeLa
cells by immunofluorescence.

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