

Product datasheet

Anti-Lhx4 antibody [LHX4E11E10] ab50790

[1 Image](#)

Overview

Product name	Anti-Lhx4 antibody [LHX4E11E10]
Description	Mouse monoclonal [LHX4E11E10] to Lhx4
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Recombinant fragment
Immunogen	Recombinant fragment corresponding to Human Lhx4 aa 50-200.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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 long term.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.0225% Potassium chloride, 1% BSA, 0.03% Potassium phosphate, 0.812% Sodium chloride, 0.1312% Sodium phosphate, PBS
Purity	Protein G purified
Purification notes	Ab50790 was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG depleted (approximately 95%) fetal bovine serum. This antibody was filtered through a 0.22 µm membrane.
Clonality	Monoclonal
Clone number	LHX4E11E10
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab50790 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 at an assay dependent dilution. Detects a band of approximately 34 kDa (predicted molecular weight: 43 kDa).

Target

Function

May play a critical role in the development of respiratory control mechanisms and in the normal growth and maturation of the lung.

Involvement in disease

Defects in LHX4 are the cause of pituitary hormone deficiency combined type 4 (CPHD4) [MIM:262700]; also known as short stature pituitary and cerebellar defects and small sella turcica. The disorder is characterized by short stature, pituitary and cerebellar defects, and small transverse depression crossing the midline on the superior surface of the body of the sphenoid bone which houses the pituitary gland.

Note=A chromosomal aberration involving LHX4 may be a cause of acute lymphoblastic leukemia. Translocation t(1;14)(q25;q32) with IGHG1.

Sequence similarities

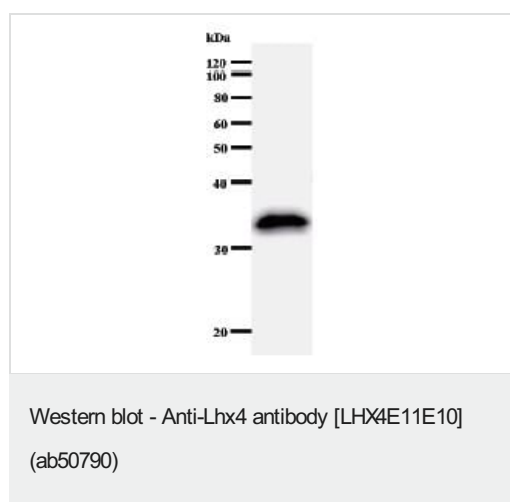
Contains 1 homeobox DNA-binding domain.

Contains 2 LIM zinc-binding domains.

Cellular localization

Nucleus.

Images



Anti-Lhx4 antibody [LHX4E11E10] (ab50790) + Immunised recombinant protein.

Predicted band size: 43 kDa

Observed band size: 34 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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