

Product datasheet

Anti-LIM1/LHX1 antibody ab14554

★★★★☆ 5 Abreviews 6 References 2 Images

Overview

Product name	Anti-LIM1/LHX1 antibody
Description	Rabbit polyclonal to LIM1/LHX1
Host species	Rabbit
Specificity	Does not appear to crossreact with LIM5 (the closest homologue of LIM1/LHX1 in frog) on tissue sections but does crossreact with LIM5 in Western blot and immunoprecipitation.
Tested applications	Suitable for: IHC-P, ICC, WB, IP, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human, Xenopus laevis, Fish
Immunogen	Recombinant fragment corresponding to Xenopus laevis LIM1/LHX1 (C terminal).
Positive control	Tested with P19 cell line.
General notes	This product was previously labelled as LIM1

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: 0.1% Sodium Azide Constituents: PBS, pH 7.4
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab14554** in the following tested applications.

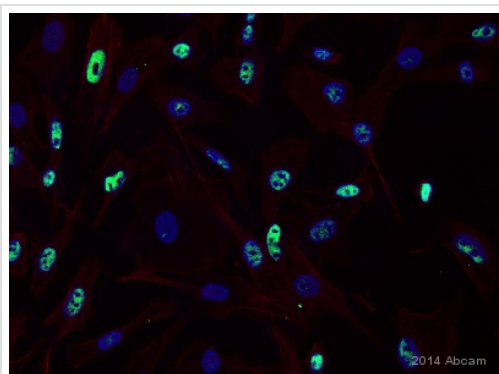
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★☆	1/200 - 1/1000.
ICC		1/500.
WB		1/3000 - 1/6000. Predicted molecular weight: 44 kDa.
IP		1/200.
ICC/IF	★★★★☆	Use at an assay dependent concentration.

Target

Function	Potential transcription factor. May play a role in early mesoderm formation and later in lateral mesoderm differentiation and neurogenesis.
Tissue specificity	Expressed in the brain, thymus, and tonsils. Expressed in samples from patients with chronic myeloid leukemia (CML) and in 58% of acute myeloid leukemia (AML) cell lines.
Sequence similarities	Contains 1 homeobox DNA-binding domain. Contains 2 LIM zinc-binding domains.
Domain	The LIM domains exert a negative regulatory function and disruption of the LIM domains produces an activated form. In addition, two activation domains and a negative regulatory domain exist C-terminally to the homeobox.
Cellular localization	Nucleus.

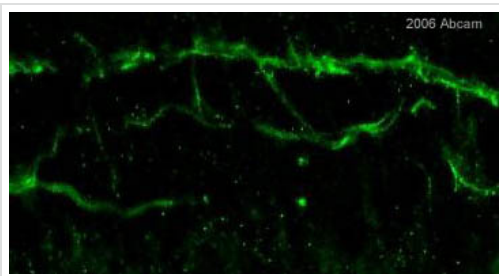
Images



ab14554 staining LIM1/LHX1 in human fetal kidney cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with formaldehyde, permeabilized with 0.5% Triton X-100 in PBS and blocked with 5% BSA for 1 hour at 25°C. Samples were incubated with primary antibody (1/200) for 1 hour at 37°C. An Alexa Fluor[®] 488-conjugated mouse anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. Actin filaments stained with phalloidin (red).

Immunocytochemistry/ Immunofluorescence - Anti-LIM1/LHX1 antibody (ab14554)

This image is courtesy of an anonymous Abreview



Immunocytochemistry/ Immunofluorescence - Anti-LIM1/LHX1 antibody (ab14554)

This image is courtesy of an anonymous Abreview

ab14554 at 1/200 dilution staining mouse postnatal day 5 retina cells (known to express LIM1/LHX1) by ICC/IF. The cells were formaldehyde fixed and incubated with the antibody for 72 hours. An Alex-Fluor 488 conjugated donkey anti-rabbit antibody was used as the secondary. The image shows strong horizontal cell process labeling with fainter nuclear label.

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