

# IHC*easy* LDB1 Ready-To-Use IHC Kit

Catalog Number: **KHC1808**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Rabbit Polyclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

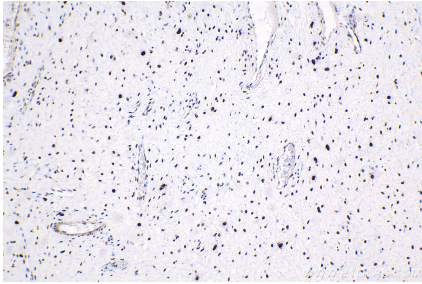
## Background

LIM domain-binding protein 1 (LDB1), also known as Carboxyl-terminal LIM domain-binding protein 2 (CLIM2), binds to the LIM domain of a wide variety of LIM domain-containing transcription factors. LDB1 may regulate the transcriptional activity of LIM-containing proteins by determining specific partner interactions. It plays a role in the development of interneurons and motor neurons in cooperation with LHX3 and ISL1. LDB1 acts synergistically with LHX1/LIM1 in axis formation and activation of gene expression. It also acts with LMO2 in the regulation of red blood cell development, maintaining erythroid precursors in an immature state. LDB1 strongly interacts with the LIM2 domain of LMX1A to form homodimer. LDB1 protein is expressed in a wide range of adult tissues including brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, small intestine, lung and peripheral blood leukocytes.

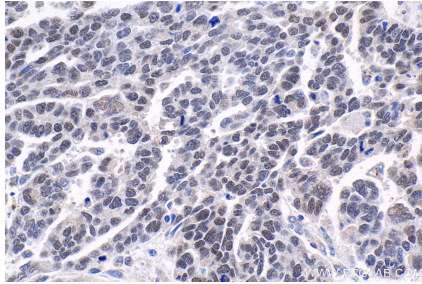
## Synonyms

CLIM 2, CLIM2, hLdb1, LDB 1, LDB1, LIM domain binding 1, LIM domain binding protein 1, NLI, Nuclear LIM interactor

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC1808 (LDB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC1808 (LDB1 IHC Kit).