

Datasheet for ABIN5510733

CHL1 ELISA Kit[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	96 tests
Target:	CHL1
Binding Specificity:	AA 25-1096
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CHL1/L1CAM-2
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: I25-Q1096
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed in the fetal and adult brain as well as in Schwann cell culture. Also detected in adult peripheral tissues. .

Target Details

Target:	CHL1
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Target Details

Alternative Name: CHL1 ([CHL1 Products](#))

Background: Protein Function: Extracellular matrix and cell adhesion protein that plays a role in nervous system development and in synaptic plasticity. Both soluble and membranous forms promote neurite outgrowth of cerebellar and hippocampal neurons and suppress neuronal cell death. Plays a role in neuronal positioning of pyramidal neurons and in regulation of both the number of interneurons and the efficacy of GABAergic synapses. May play a role in regulating cell migration in nerve regeneration and cortical development. Potentiates integrin-dependent cell migration towards extracellular matrix proteins. Recruits ANK3 to the plasma membrane (By similarity). .

Background: Neural cell adhesion molecule L1-like protein also known as close homolog of L1 (CHL1) is a protein that in humans is encoded by the CHL1 gene. This protein is a member of the L1 gene family of neural cell adhesion molecules. By FISH, the CHL1 gene was mapped to chromosome 3p26.1. The protein however has dynamic localisation, meaning that it has not only multiple roles in the cell, but also various locations. This protein may also play a role in the growth of certain cancers.

Synonyms: Neural cell adhesion molecule L1-like protein,Close homolog of L1,Processed neural cell adhesion molecule L1-like protein,CHL1,CALL,

Full Gene Name: Neural cell adhesion molecule L1-like protein

Cellular Localisation: Cell membrane, Single-pass type I membrane protein . Soluble forms produced by cleavage/shedding also exist..

UniProt: [O00533](#)

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months

Publications

Product cited in: Ge, Guo, Li, Zhang, Qiang, Zhu, Cheng, Li, Wang, Yu, Yin, Chen, Tong, Lei: "Potential blood biomarkers for chronic traumatic encephalopathy: The multi-omics landscape of an observational cohort." in: **Frontiers in aging neuroscience**, Vol. 14, pp. 1052765, (2022) ([PubMed](#)).

Images

