

## CHL1 Rabbit pAb

CatalogNo: YN0949

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse

**Applications**

- WB, ELISA

**MW**

- 132kD (Observed)

**Isotype**

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000****ELISA 1:5000-20000**

### Storage

**Storage\***

-15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality**

Polyclonal

### Immunogen Information

**Immunogen**

Synthesized peptide derived from human protein . at AA range: 140-220

**Specificity**

CHL1 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name**

CHL1 CALL

<b>Protein Name</b>	Neural cell adhesion molecule L1-like protein (Close homolog of L1) [Cleaved into: Processed neural cell adhesion molecule L1-like protein]		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">10752;</a>	<a href="#">Q00533;</a>
	Mouse		<a href="#">P70232;</a>
<b>Cellular Localization</b>	Cell membrane ; Single-pass type I membrane protein . Soluble forms produced by cleavage/shedding also exist. .; [Processed neural cell adhesion molecule L1-like protein]: Secreted, extracellular space, extracellular matrix .		
<b>Tissue specificity</b>	Expressed in the fetal and adult brain as well as in Schwann cell culture. Also detected in adult peripheral tissues.		
<b>Function</b>	<p>Disease:The deletion of 1 copy of the CHL1 may be responsible for mental defects in patients with 3p- syndrome. 3p- syndrome results from deletion of a terminal segment of the short arm of one chromosome 3 and is characterized by multiple congenital anomalies and mental retardation.,Domain:The DGEA motif seems to be a recognition site for integrin.,Domain:The FIG[AQ]Y motif seems to be an ankyrin recruitment region.,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.,PTM:Cleavage by metalloprotease ADAM8 in the extracellular part generates 2 soluble forms (125 kDa and 165 kDa) in vitro and is inhibited by metalloprotease inhibitors.,PTM:N-glycosylated. Contains N-linked oligosaccharides with a sulfated carbohydrate structure type HNK-1 (SO4-3-GlcUABeta1,3GalBeta1,4GlcNAc).,PTM:O-glycosylated.,similarity:Belongs to the immunoglobulin superfamily. L1/neurofascin/NgCAM family.,similarity:Contains 4 fibronectin type-III domains.,similarity:Contains 6 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Soluble forms produced by cleavage/shedding also exist.,subunit:May interact with L1CAM. May interact with ITGB1/ITGA1 heterodimer and ITGB1/ITGA2 heterodimer as well as with ANK3.,tissue specificity:Expressed in the fetal and adult brain as well as in Schwann cell culture. Also detected in adult peripheral tissues.,</p>		

## Validation Data

## Contact information

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