

## Basic Information

Product Name	Anti-L1CAM Antibody	
Gene Name	L1CAM	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human L1CAM recombinant protein (Position: I20-L242).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	220-250 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000	

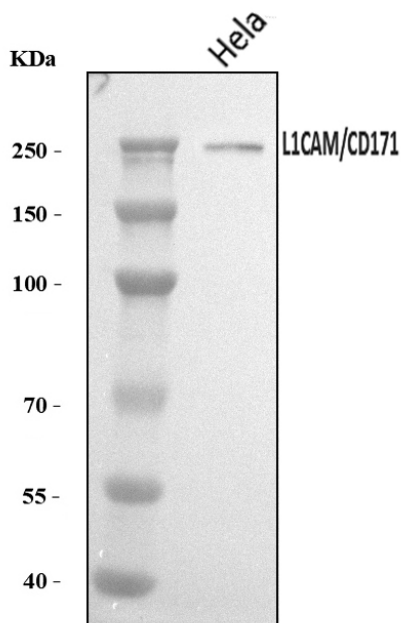
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

L1, also known as L1CAM, is a transmembrane protein member of the L1 protein family, encoded by the L1CAM gene. The protein encoded by this gene is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of this gene results in multiple transcript variants, some of which include an alternate exon that is considered to be specific to neurons.

## Selected Validation Data



Western blot analysis of L1CAM using anti-L1CAM antibody (A00729-3).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Hela whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-L1CAM antigen affinity purified polyclonal antibody (A00729-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for L1CAM at approximately 220-250 kDa. The expected band size for L1CAM is at 140 kDa.