

Datasheet for ABIN360142

anti-LIM Domain Kinase 1 antibody (N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	LIM Domain Kinase 1 (LIMK1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIM Domain Kinase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human LIMK1.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to LIM Kinase 1 (LIMK1).
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	LIM Domain Kinase 1 (LIMK1)
Alternative Name:	LIMK1 (LIMK1 Products)

Target Details

Background:	LIMK1, a member of the Ser/Thr protein kinase family, may be a component of an intracellular signaling pathway and may be involved in brain development. It phosphorylates and inactivates the actin binding/depolymerizing factor cofilin and induces actin cytoskeletal changes. The LIM domain interacts with the cytoplasmic domain of NRG1, and this cytoplasmic protein also binds ROCK1, which phosphorylates LIMK1 on serine and/or threonine residues. Highest expression occurs in both adult and fetal nervous systems. It is detected ubiquitously throughout the different regions of adult brain, with highest levels in the cerebral cortex, and is expressed to a lesser extent in heart and skeletal muscle. Haploinsufficiency of LIMK1 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS), a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23. This protein contains 2 LIM zinc-binding domains and 1 PDZ/DHR domain. Synonyms: EC=2.7.11.1, LIM domain kinase 1, LIMK, LIMK-1
Gene ID:	3984, 9606
UniProt:	P53667
Pathways:	Caspase Cascade in Apoptosis , Regulation of Cell Size , CXCR4-mediated Signaling Events

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images

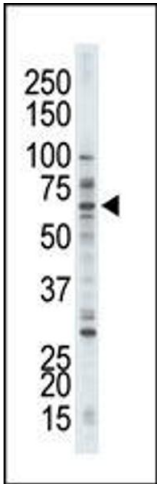


Image 1.

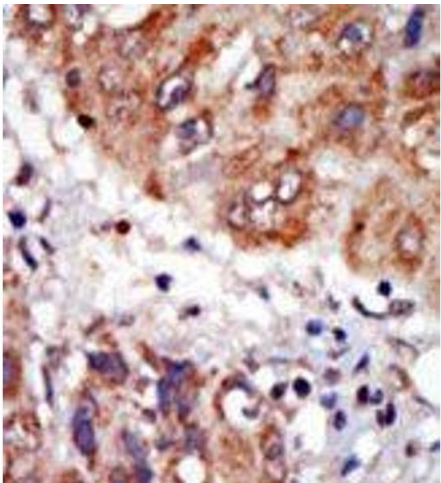


Image 2.