

Product datasheet

Anti-LIM kinase 2 antibody ab19032

Overview

<b>Product name</b>	Anti-LIM kinase 2 antibody
<b>Description</b>	Rabbit polyclonal to LIM kinase 2
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody recognises LIM kinase 2 protein. It does not cross react with LIM kinase 1.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide corresponding to the C terminus of human LIM kinase 2.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Thimerosal (merthiolate). Constituents: 50% Glycerol, 1% BSA, PBS, pH 7.2.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab19032** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 4 µg/ml. Predicted molecular weight: 72 kDa.

Target

<b>Function</b>	Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in
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	vitro.
<b>Tissue specificity</b>	Highest expression in the placenta; moderate level in liver, lung, kidney, and pancreas. LIMK2a is found to be more abundant than LIMK2b in liver, colon, stomach, and spleen, while in brain, kidney, and placenta LIMK2b is the dominant form. In adult lung, both LIMK2a and LIMK2b is nearly equally observed.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 2 LIM zinc-binding domains. Contains 1 PDZ (DHR) domain. Contains 1 protein kinase domain.
<b>Post-translational modifications</b>	Phosphorylated on serine and/or threonine residues by ROCK1.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Isoform LIMK2a is distributed in the cytoplasm and the nucleus and Cytoplasm. Nucleus. Isoform LIMK2b occurs mainly in the cytoplasm and is scarcely translocated to the nucleus.

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