

Product datasheet

Anti-LIMK2 antibody ab19032

Overview

Product name	Anti-LIMK2 antibody
Description	Rabbit polyclonal to LIMK2
Host species	Rabbit
Specificity	This antibody recognises LIM kinase 2 protein. It does not cross react with LIM kinase 1.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to the C terminus of human LIM kinase 2.

Properties

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

Function	Displays serine/threonine-specific phosphorylation of myelin basic protein and histone (MBP) in
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vitro.

Tissue specificity

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.

Sequence similarities

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.

Post-translational modifications

Phosphorylated on serine and/or threonine residues by ROCK1.

Cellular localization

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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