

Anti-LIMK2 Antibody (Monoclonal, 31L90)

Catalog Number: M03511

About LIMK2

LIM domain kinase 2 is an enzyme that in humans is encoded by the LIMK2 gene. There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene.

Overview

Product Name	Anti-LIMK2 Antibody (Monoclonal, 31L90)
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-LIMK2 Antibody (Monoclonal, 31L90) catalog # M03511. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal 31L90
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P53671

Technical Details

Immunogen	Recombinant protein within human LIMK2 aa 3-318.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200
Immunocytochemistry/Immunofluorescence, 1:50-200
ImmunoPrecipitation, 1:50

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For Research Use Only. Not for use in diagnostic procedures.