

## Anti-LARP1 Antibody (Monoclonal, 33L29)

Catalog Number: M04488-1

### About LARP1

La-related protein 1 (LARP1) is a 150 kDa protein that in humans is encoded by the LARP1 gene. La-related protein 1 (LARP1) is a ubiquitously expressed RNA binding protein that promotes both global and specific mRNA translation in cells. LARP1 belongs to the La-related protein family and contains two RNA binding domains, a La motif (LAM), and a neighboring RNA recognition motif-like (RRM-L) domain. Research studies indicate that LARP1 acts downstream of mTORC1 to facilitate cell proliferation and growth by promoting global mRNA translation and translation of mRNAs containing a 5'Terminal Oligo-Pyrimidine (5'TOP) motif, which code for translational machinery components. At the molecular level, LARP1 associates with 5'TOP mRNAs and multiple translation machinery components to positively regulate translation. Additional studies show that LARP1 expression is upregulated in hepatocellular carcinoma (HCC) patients and that high LARP1 expression in HCC negatively correlates with survival rate.

### Overview

Product Name	Anti-LARP1 Antibody (Monoclonal, 33L29)
Reactive Species	Human, Monkey
Description	Boster Bio Anti-LARP1 Antibody (Monoclonal, 33L29) catalog # M04488-1. Tested in WB, ICC/IF applications. This antibody reacts with Human, Monkey.
Application	IF, ICC, WB
Clonality	Monoclonal 33L29
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	Q6PKG0

### Technical Details

Immunogen	Recombinant protein within human LARP1 aa 183-328.
Form	Liquid
Concentration	500 ug/ml

Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunocytochemistry/Immunofluorescence, 1:50-200

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