

Anti-Leptin Receptor LEPR Antibody

Catalog Number: A00350-4

About LEPR

Component of the MRN complex, which plays a central role in double-strand break (DSB) repair, DNA recombination, maintenance of telomere integrity and meiosis. The complex possesses single-strand endonuclease activity and double-strand-specific 3'-5' exonuclease activity, which are provided by MRE11A. RAD50 may be required to bind DNA ends and hold them in close proximity. This could facilitate searches for short or long regions of sequence homology in the recombining DNA templates, and may also stimulate the activity of DNA ligases and/or restrict the nuclease activity of MRE11A to prevent nucleolytic degradation past a given point. The complex may also be required for DNA damage signaling via activation of the ATM kinase. In telomeres the MRN complex may modulate t-loop formation.

Dolganov G.M., Mol. Cell. Biol. 16:4832-4841(1996).

Kim K.K., Gene 235:59-67(1999).

Carney J.P., Cell 93:477-486(1998).

Overview

Product Name	Anti-Leptin Receptor LEPR Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Leptin Receptor LEPR Antibody catalog # A00350-4. Tested in WB, ICC, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	P48357

Technical Details

Immunogen	Synthesized peptide derived from internal of human RAD50.
Predicted Reactive Species	Canine, Monkey
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	ProA affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: FC: 1:50-1:100 WB: 1:500-1:1,000

Anti-Leptin Receptor LEPR Antibody (A00350-4) Images

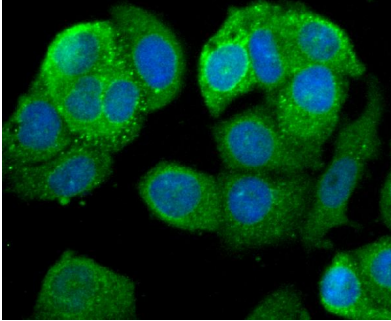


Figure 1. Immunocytochemistry staining of LEPR using Anti-Leptin Receptor LEPR Antibody (A00350-4).

ICC staining Leptin Receptor in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

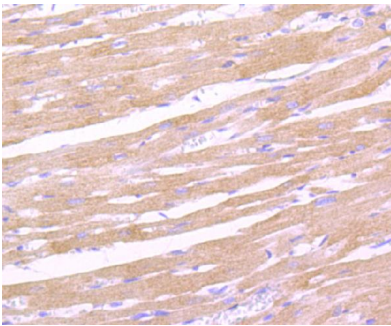


Figure 2. Immunohistochemistry validation of LEPR using Anti-Leptin Receptor LEPR Antibody (A00350-4).

Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-Leptin Receptor antibody. Counter stained with hematoxylin.
For more protocol information of IHC

1 Publications Citing This Product

1. PubMed ID: 33128919, Srinivasan G, Parida S, Pavithra S, Panigrahi M, Sahoo M, Singh TU, Madhu CL, Manickam K, Shyamkumar TS, Kumar D, Mishra SK. Leptin receptor stimulation in late pregnant mouse uterine tissue inhibits spontaneous contractions by increasing NO and cGMP. Cytokine. 2021

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