For Research Use Only

LRRC2 Polyclonal antibody

Catalog Number:28057-1-AP

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Basic Information

Catalog Number:
28057-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG27830

GenBank Accession Number:
BC029118

GeneID (NCBI):
79442

UNIPROT ID:
Q9BYS8

Full Name:
leucine rich repeat containing 2

Calculated MW:
371 aa, 43 kDa

Observed MW:
38 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
mouse, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC : mouse skeletal muscle tissue,

Background Information

Leucine Rich Repeat Containing 2 (LRRC2) was found to be localized to the mitochondria in human cells and transcriptionally regulated by the mitochondrial master regulator Pgc-1α. It has been reported that Lrrc2 transcript abundance correlates with that of β-MHC, a canonical marker of cardiac hypertrophy in humans, and experimentally demonstrated an elevation in Lrrc2 transcript in vitro and in vivo rodent models of cardiac hypertrophy as well as in patients with dilated cardiomyopathy. (PMID: 28158196)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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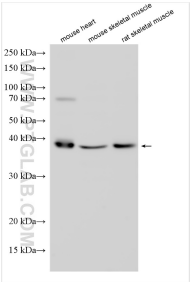
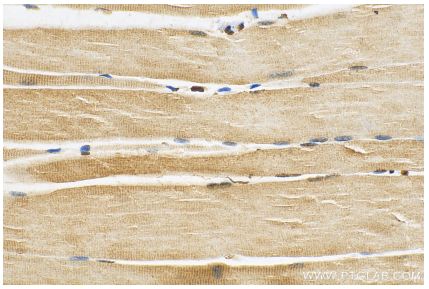
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28057-1-AP (LRRC2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 28057-1-AP (LRRC2 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).