UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

EB07263-T - Goat Anti-Leptin Receptor Antibody - Trial

Size: 20µg specific antibody in 40µl

Target Protein

Principal Names: LEPR, leptin receptor, CD295, OBR, OB receptor, LeprB
Official Symbol: LEPR
Accession Number(s): NP_002294.2; NP_001003679.1; NP_001003680.1
Human GeneID(s): 3953
Important Comments: This antibody is expected to recognise all three reported isoforms (NP_002294.2; NP_001003679.1; NP_001003680.1).

Immunogen

Peptide with sequence C-TQDDIEKHQSDAG, from the internal region of the protein sequence according to NP_002294.2; NP_001003679.1; NP_001003680.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

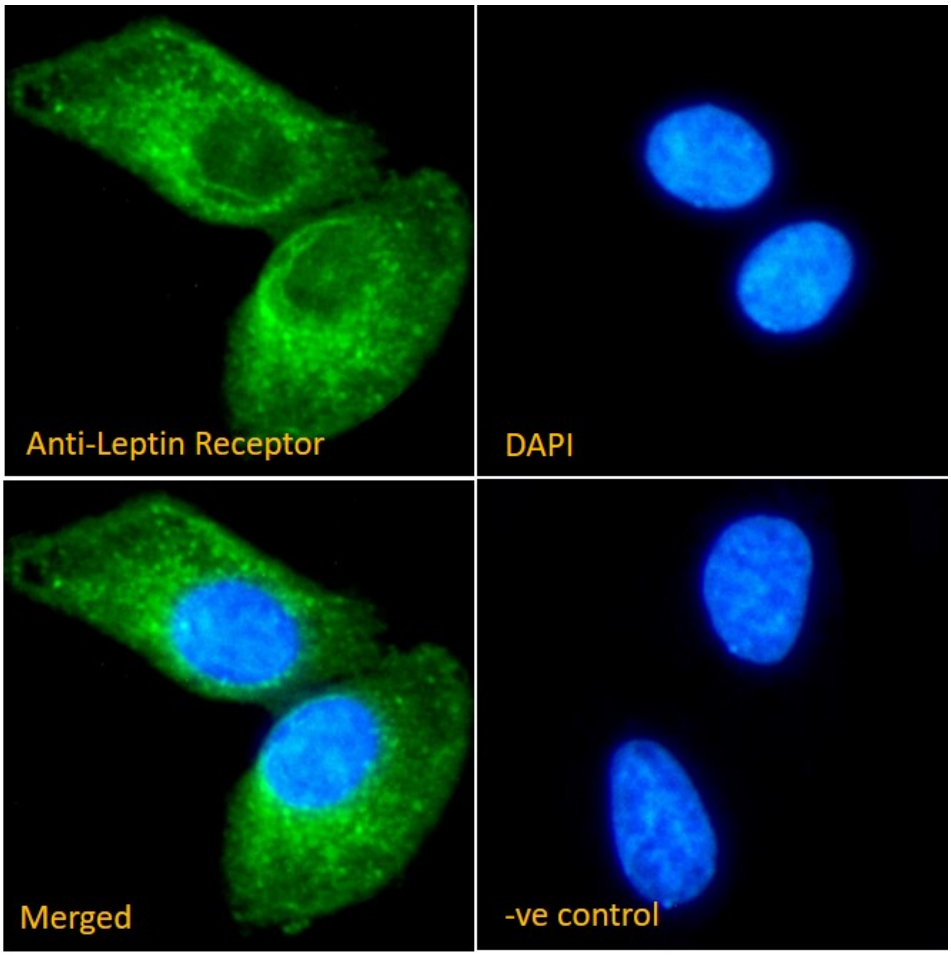
Peptide ELISA: antibody detection limit dilution 1:2000.
IHC: A customer reported weak membranous staining present in paraffin embedded human brain.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm and vesicles of U251 and HEK293 cells. Recommended concentration: 10µg/ml.

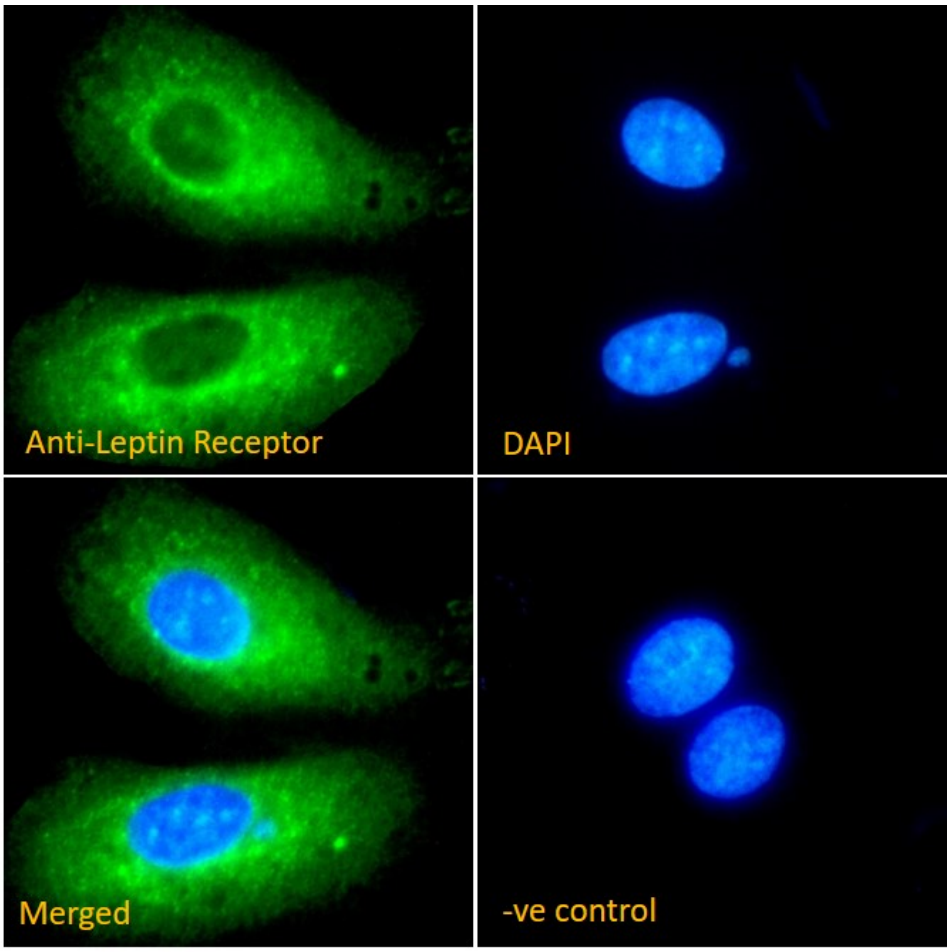
Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

Species Reactivity

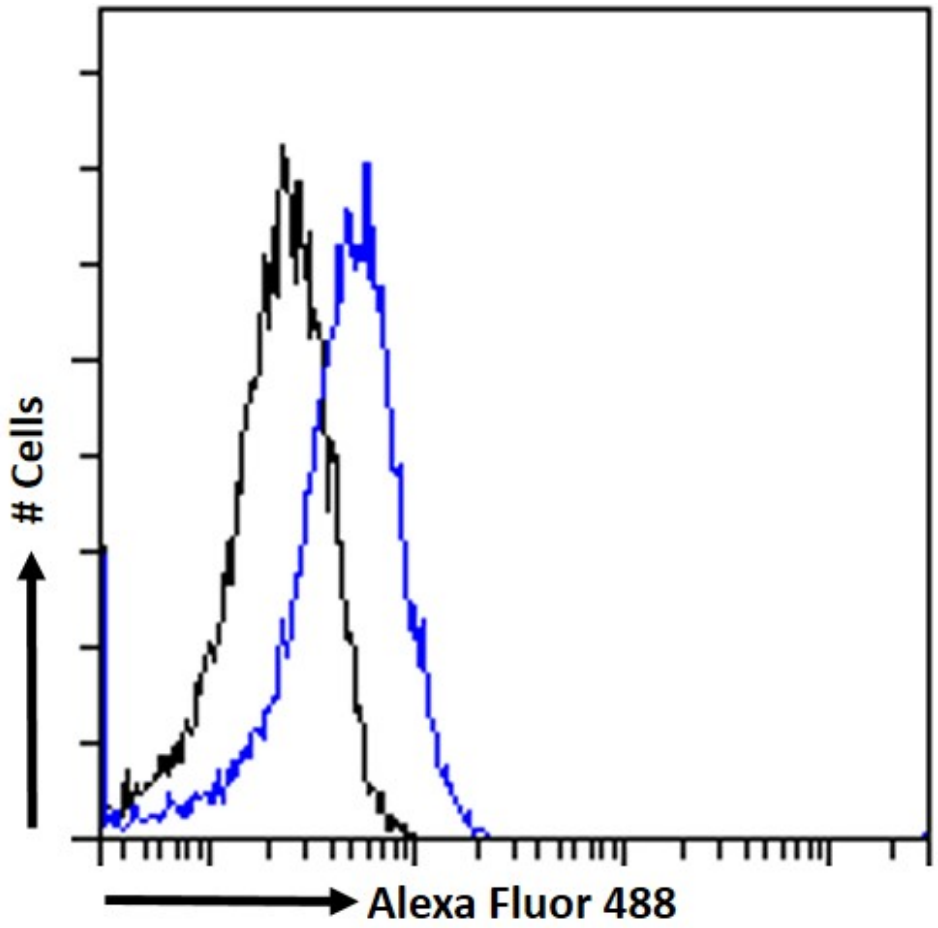
Tested: Human
Expected from sequence similarity: Human, Dog



EB07263 Immunofluorescence analysis of paraformaldehyde fixed U251. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic and vesicles staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.



EB07263 Immunofluorescence analysis of paraformaldehyde fixed HEK293. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic and vesicles staining. The nuclear stain is DAPI (blue). Negative control: Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.



EB07263 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.