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

EB07460 - Goat Anti-LHCGR Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: LHCGR, luteinizing hormone/choriogonadotropin receptor, LCGR, LGR2, LHR, hLHR, luteinizing hormone receptor, lutropin/choriogonadotropin receptor, LH receptor, CG receptor
Official Symbol: LHCGR
Accession Number(s): NP_000224.2
Human GeneID(s): 3973

Immunogen

Peptide with sequence CQGTALLDKTRYTE, from the C Terminus of the protein sequence according to NP_000224.2.

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

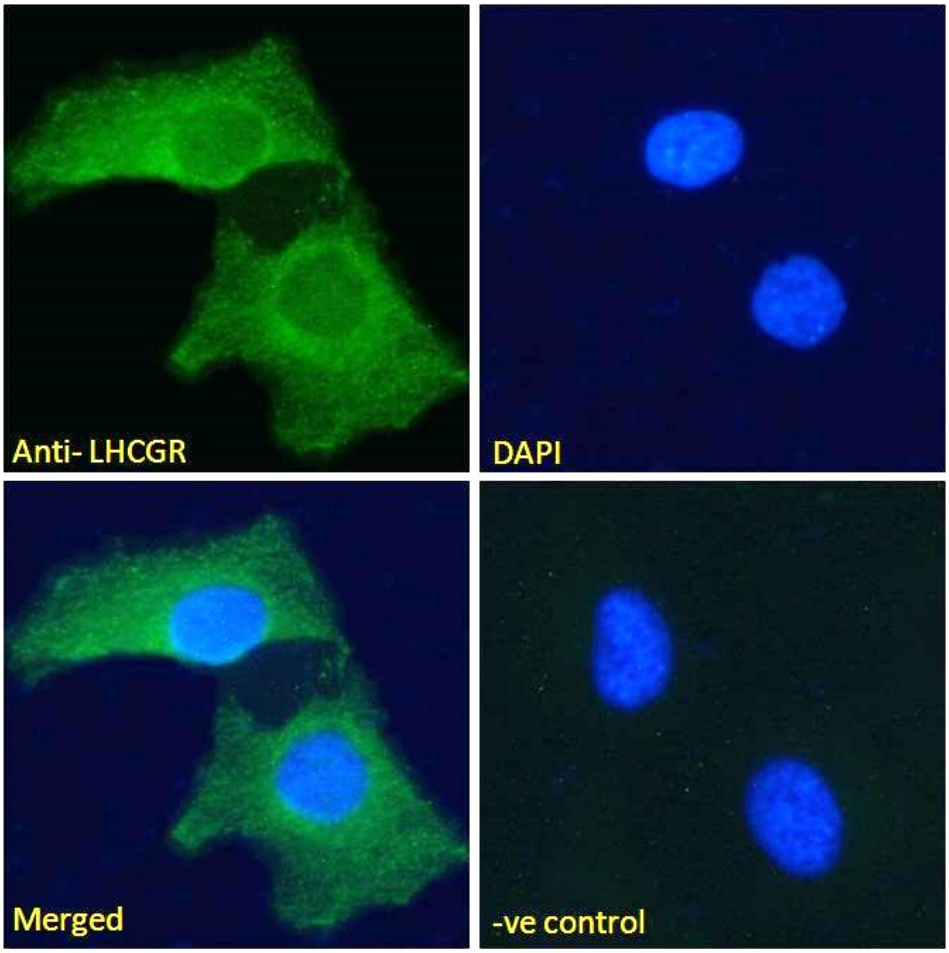
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Preliminary experiments gave an approx 35kDa band in K562 cell lysates after 0.1µg/ml antibody staining. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature. Please note that we cannot currently find an explanation in the literature for this band, given the calculated size of 78.6kDa according to NP_000224.2.

Immunofluorescence: Strong expression of the protein seen in the plasma membranes of HeLa cells. Recommended concentration: 10µg/ml.

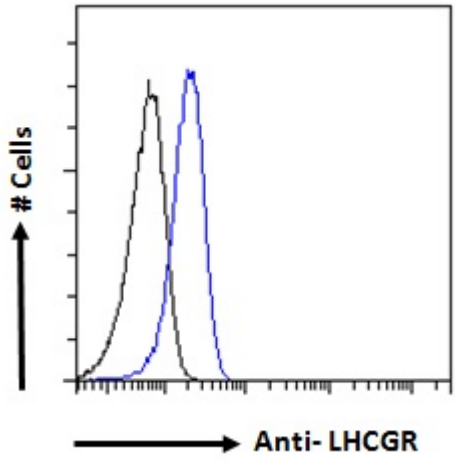
Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human



EB07460 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07460 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation overnight (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.