

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 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106

Ramona, CA 92065 USA

Inquiries:

info@everestbiotech.com

Sales:

 $\underline{usasales@everest biotech.com}$

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

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.

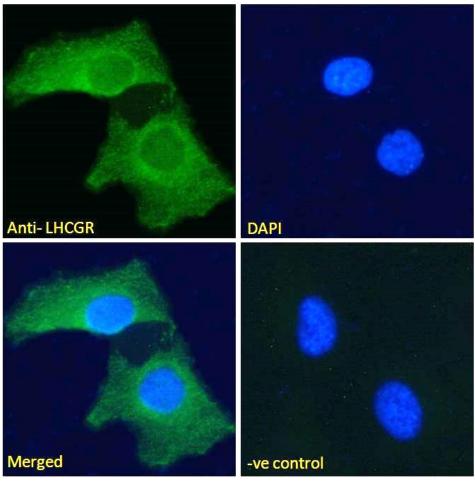
Immunofluorescence: Strong expression of the protein seen in the plasma membranes of HeLa cells. Recommended concentration: 10µg/ml.

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

Species Reactivity

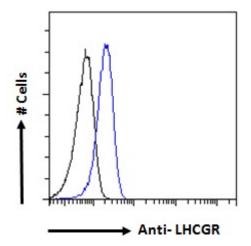
Tested: Human

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.