

Anti-Luteinizing Hormone / Choriogonadotropin Receptor (LHCGR) Monoclonal Antibody

Catalog Number: M01120

About LHCGR

Recognizes a protein of 78-85kDa, which is identified as Luteinizing hormone / choriogonadotropin receptor. Luteinizing hormone plays a role in spermatogenesis and ovulation by stimulating the testes and ovaries to produce steroids. Choriogonadotropin production in the placenta maintains estrogen and progesterone levels during the first trimester of pregnancy. Ovaries and testes abundantly express luteinizing hormone / choriogonadotropin receptor (LHCGR) as a seven transmembrane, G protein-coupled receptor glycoprotein. LHCGR influences the protective effect of pregnancy and Gonadotropin against breast cancer. The expression of LHCGR on breast carcinoma correlates in part to the degree of tumor differentiation. LHCGR -positive breast tumors occur more frequently in tumors with greater cell differentiation in premenopausal women.

Overview

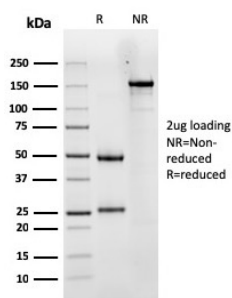
Product Name	Anti-Luteinizing Hormone / Choriogonadotropin Receptor (LHCGR) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Luteinizing Hormone / Choriogonadotropin Receptor (LHCGR) Monoclonal Antibody (Catalog # M01120). Tested in IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal Clone: LHCGR/1417
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P22888

Technical Details

Immunogen	Recombinant fragment (around aa 70-410) of human LHCGR protein (exact sequence is proprietary)
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
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: Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Anti-Luteinizing Hormone / Choriogonadotropin Receptor (LHCGR) Monoclonal Antibody (M01120) Images



SDS-PAGE analysis purified Anti-LHCGR Mouse Monoclonal Antibody (LHCGR/1417). Confirmation of integrity and purity of antibody.

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