

Datasheet for ABIN6939964  
**anti-LHCGR antibody (AA 70-410)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	LHCGR
Binding Specificity:	AA 70-410
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LHCGR antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Coating (Coat)

## Product Details

Immunogen:	Recombinant fragment (around aa 70-410) of human LHCGR protein (exact sequence is proprietary)
Clone:	LHCGR-1417
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 78-85 kDa, 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

## Product Details

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.

Purification: Purified by Protein A/G

## Target Details

Target: LHCGR

Alternative Name: LHCGR ([LHCGR Products](#))

Molecular Weight: 78-85kDa

Gene ID: 3973

UniProt: [P22888](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [cAMP Metabolic Process](#), [Glycosaminoglycan Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

Application Notes: Positive Control: HepG2 or Jurkat cells. Ovarian Carcinoma.  
Known Application: ELISA (For coating, order antibody without BSA), Flow Cytometry (1-2 µg/million cells), Western Blot (0.5-1 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

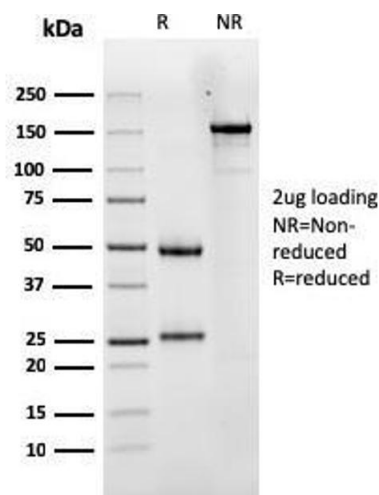
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

Images



SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified LHCGR Mouse Monoclonal Antibody (LHCGR/1417). Confirmation of Integrity and Purity of Antibody