



LHR Monoclonal Antibody

Catalog No	YP-mAb-13394
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	LHCGR
Immunogen	The antiserum was produced against synthesized peptide derived from human LSHR. AA range:621-670
Specificity	LHR Monoclonal Antibody detects endogenous levels of LHR protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LHR;LCGR;LGR2;LH R;LH receptor;LHCGR;Lutropin-choriogonadotropic hormone receptor;LHRHR;LH/CG-R;Luteinizing hormone receptor;LSH-R
Observed Band	80kD
Calculated Molecular Weight	80kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Gonadal and thyroid cells.
Function	alternative products:Additional isoforms seem to exist,disease:Defects in LHCGR are a cause of familial male precocious puberty (FMPP) [MIM:176410]; also known as testotoxicosis. In FMPP the receptor is constitutively activated., disease:Defects in LHCGR are a cause of Leydig cell hypoplasia (LCH) [MIM:152790]. LCH is an autosomal recessive disease characterized by male pseudohermaphroditism. In LCH the testes are small with marked immaturity of the Leydig cells which correlates with undetectable plasma testosterone levels and elevated gonadotropins.,function:Receptor for lutropin-choriogonadotropic hormone. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.,online information:Glycoprotein-hormone Receptors Information System,similarity:Belongs to the G-protein coupled receptor 1 family.,



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Background

This gene encodes the receptor for both luteinizing hormone and choriogonadotropin. This receptor belongs to the G-protein coupled receptor 1 family, and its activity is mediated by G proteins which activate adenylate cyclase. Mutations in this gene result in disorders of male secondary sexual character development, including familial male precocious puberty, also known as testotoxicosis, hypogonadotropic hypogonadism, Leydig cell adenoma with precocious puberty, and male pseudohermaphroditism with Leydig cell hypoplasia. [provided by RefSeq, Jul 2008],

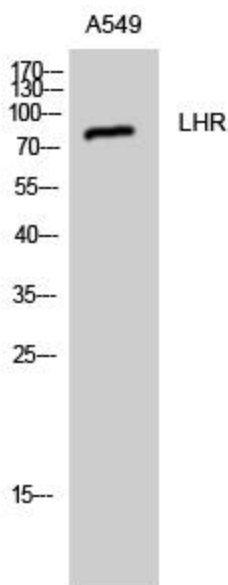
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using LHR Monoclonal Antibody