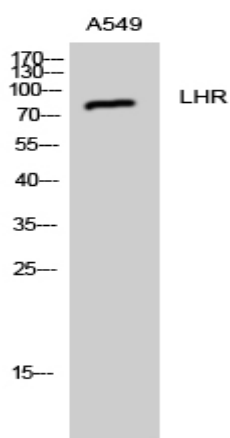


## LHR Polyclonal Antibody

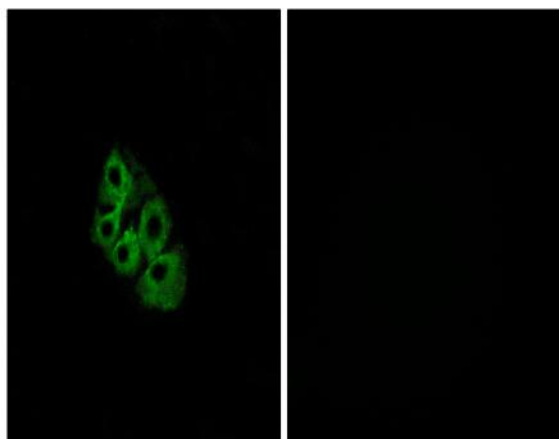
<b>Catalog No :</b>	YT2558
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	LHR
<b>Fields :</b>	>>Calcium signaling pathway;>>cAMP signaling pathway;>>Neuroactive ligand-receptor interaction;>>Ovarian steroidogenesis;>>Prolactin signaling pathway
<b>Gene Name :</b>	LHCGR
<b>Protein Name :</b>	Lutropin-choriogonadotropic hormone receptor
<b>Human Gene Id :</b>	3973
<b>Human Swiss Prot No :</b>	P22888
<b>Mouse Gene Id :</b>	16867
<b>Mouse Swiss Prot No :</b>	P30730
<b>Rat Gene Id :</b>	25477
<b>Rat Swiss Prot No :</b>	P16235
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human LSHR. AA range:621-670
<b>Specificity :</b>	LHR Polyclonal Antibody detects endogenous levels of LHR protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	80kD
<b>Cell Pathway :</b>	Calcium;Neuroactive ligand-receptor interaction;
<b>Background :</b>	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],
<b>Function :</b>	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.,similarity:Belongs to the G-protein coupled receptor 1 family.
<b>Subcellular Location :</b>	Cell membrane ; Multi-pass membrane protein .
<b>Expression :</b>	Gonadal and thyroid cells.
<b>Sort :</b>	9178
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

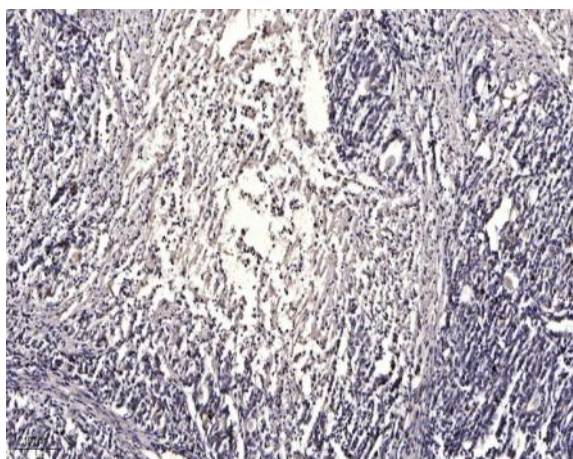
## Products Images



Western Blot analysis of A549 cells using LHR Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using LSHR Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).