

# LHCGR Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO2014a

## Product Information

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|--------------------------|---|
| <b>Application</b>       | WB, FC, ICC, E  |
| <b>Primary Accession</b> | <a href="#">P22888</a>  |
| <b>Reactivity</b>        | Human   |
| <b>Host</b>              | Mouse   |
| <b>Clonality</b>         | Monoclonal  |
| <b>Clone Names</b>       | 8G9A2   |
| <b>Isotype</b>           | IgG1  |
| <b>Calculated MW</b>     | 78643   |
| <b>Description</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. |
| <b>Immunogen</b>         | LHR-29 from ATCC  |
| <b>Formulation</b>       | Purified antibody in PBS with 0.05% sodium azide  |

## Additional Information

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| <b>Gene ID</b>     | 3973   |
| <b>Other Names</b> | Lutropin-choriogonadotropic hormone receptor, LH/CG-R, Luteinizing hormone receptor, LHR, LSH-R, LHCGR, LCGR, LGR2, LHRHR                |
| <b>Dilution</b>    | WB~~1/500 - 1/2000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000   |
| <b>Storage</b>     | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Precautions</b> | LHCGR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.   |

## Protein Information

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|-------------|-------|
| <b>Name</b> | LHCGR |
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|--------------------------|---|
| <b>Synonyms</b>          | LCGR, LGR2, LHRHR   |
| <b>Function</b>          | Receptor for lutropin-choriogonadotropic hormone (PubMed: <a href="#">11847099</a> ). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed: <a href="#">11847099</a> ). |
| <b>Cellular Location</b> | Cell membrane; Multi-pass membrane protein  |
| <b>Tissue Location</b>   | Gonadal and thyroid cells.  |

## References

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Cancer Res. 57: 857-864, 1997 Reprod Biol Endocrinol. 2011 May 15;9:64.

## Images

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