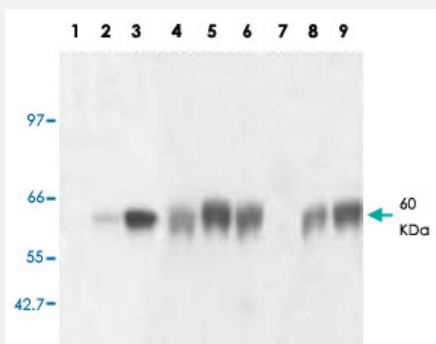


GNRHR monoclonal antibody, clone AT2.G7

Catalog # MAB8771

Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of GNRHR monoclonal antibody, clone AT2.G7 (Cat # MAB8771) in GNRHR protein.

Lane 1 and 2 : Tissue extracts from normal ovaries.

Lane 3 to 9 : Tissue extracts from different stage of ovarian cancers.

Specification

Product Description Mouse monoclonal antibody raised against synthetic peptide of GNRHR.

Immunogen A mixture of peptides from different regions of human GNRHR.

Host Mouse

Reactivity Human

Form Liquid

Purification Protein A purification

Concentration 1 ug/uL

Recommend Usage
Western Blot (1:1000)
Immunohistochemistry (1:200)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (0.05% sodium azide)

Storage Instruction
Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunohistochemistry

Gene Info — GNRHR

Entrez GeneID [2798](#)

Gene Name GNRHR

Gene Alias GNRHR1, GRHR, LHRHR, LRHR

Gene Description gonadotropin-releasing hormone receptor

Omim ID [138850](#) [228300](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes the receptor for type 1 gonadotropin-releasing hormone. This receptor is a member of the seven-transmembrane, G-protein coupled receptor (GPCR) family. It is expressed on the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. Following binding of gonadotropin-releasing hormone, the receptor associates with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Activation of the receptor ultimately causes the release of gonadotropic luteinizing hormone (LH) and follicle stimulating hormone (FSH). Defects in this gene are a cause of hypogonadotropic hypogonadism (HH). Alternative splicing results in multiple transcript variants encoding different isoforms. More than 18 transcription initiation sites in the 5' region and multiple polyA signals in the 3' region have been identified for this gene. [provided by RefSeq]

Other Designations

gonadotropin-releasing hormone (type 1) receptor 1|luteinizing hormone releasing hormone receptor|luteinizing-releasing hormone receptor|luliberin receptor|type I GnRH receptor

Pathway

- [GnRH signaling pathway](#)

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Amenorrhea](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chromosome Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Hypogonadism](#)
- [Kallmann Syndrome](#)
- [Mental Disorders](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)