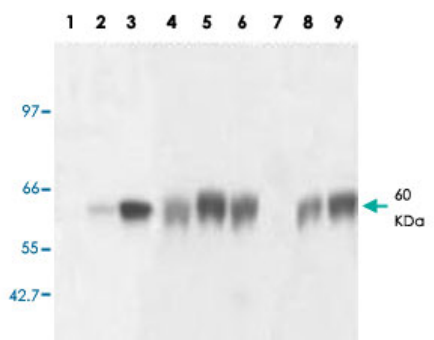
GNRHR monoclonal antibody, clone AT2.G7

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.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Applications

- Immunohistochemistry
- 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.

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 m ember of the seven-transmembrane, G-protein coupled receptor (GPCR) family. It is expressed o n the surface of pituitary gonadotrope cells as well as lymphocytes, breast, ovary, and prostate. F ollowing binding of gonadotropin-releasing hormone, the receptor associates with G-proteins that activate a phosphatidylinositol-calcium second messenger system. Activation of the receptor ulti mately causes the release of gonadotropic luteinizing hormone (LH) and follicle stimulating hormo ne (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 transcripti on initiation sites in the 5' region and multiple polyA signals in the 3' region have been identified fo r this gene. [provided by RefSeq
Other Designations	gonadotropin-releasing hormone (type 1) receptor 1|leutinizing hormone releasing horomone rece ptor|leutinizing-releasing hormone receptor|luliberin receptor|type I GnRH receptor

Pathway

- GnRH signaling pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.