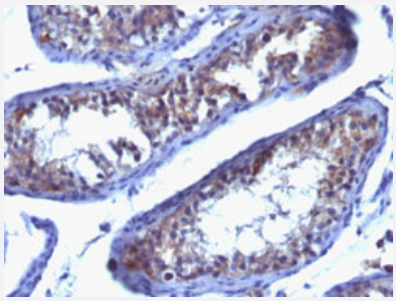
PRLR monoclonal antibody, clone SPM213

Catalog # MAB15206 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testicle tumor with PRLR monoclonal antibody, clone SPM213 (Cat # MAB15206).

Specification

Product Description	Mouse monoclonal antibody raised against native human PRLR.
Immunogen	Semi-purified human PRLR.
Host	Mouse
Theoretical MW (kDa)	70
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testicle tumor with PRLR monoclonal antibody, clone SPM213 (Cat # MAB15206).

- Immunofluorescence

- Flow Cytometry

Gene Info — PRLR

Entrez GeneID	5618
Protein Accession#	P16471
Gene Name	PRLR
Gene Alias	hPRLrI
Gene Description	prolactin receptor
Omim ID	176761
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000115998|delta 4-SF1b truncated prolactin receptor|delta 4-delta 7/11 truncated p rolactin receptor|hPRL receptor|prolactin receptor delta 7/11|secreted prolactin binding protein

Publication Reference

- Prolactin receptor is a negative prognostic factor in patients with squamous cell carcinoma of the head and neck.

  Bauernhofer T, Pichler M, Wieckowski E, Stanson J, Aigelsreiter A, Griesbacher A, Groselj-Strele A, Linecker A, Samonigg H, Langner C, Whiteside TL.

  British Journal of Cancer 2011 May; 104(10):1641.

- Amplification of the prolactin receptor gene in mammary lobular neoplasia.

  Tran-Thanh D, Arneson NC, Pintilie M, Deliallisi A, Warren KS, Bane A, Done SJ.

  Breast Cancer Research and Treatment 2011 Jul; 128(1):31.

  Application: IHC-P, Human, Human mammary lobular neoplasia

- Clinicopathological significance of prolactin receptor expression in colorectal carcinoma and corresponding metastases.

  Harbaum L, Pollheimer MJ, Bauernhofer T, Kornprat P, Lindtner RA, Schlemmer A, Rehak P, Langner C.

  Modern Pathology 2010 Jul; 23(7):961.

  Application: ICC, IHC-P, WB-Ce, Human, HT-29 cells, Human colorectal carcinoma, SW480 cells, T-47D cells

- Prolactin receptor antagonism reduces the clonogenic capacity of breast cancer cells and potentiates doxorubicin and paclitaxel cytotoxicity.

  Howell SJ, Anderson E, Hunter T, Farnie G, Clarke RB.

  Breast Cancer Research 2008 Aug; 10(4):R68.

- Prolactin receptor expression in gynaecomastia and male breast carcinoma.

  Ferreira M, Mesquita M, Quaresma M, André S.

  Histopathology 2008 Jul; 53(1):56.

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Abortion
- Asperger Syndrome
- Autistic Disorder
- Autoimmune Diseases
- Breast cancer

- Breast Neoplasms
- Fibroadenoma
- Genetic Predisposition to Disease
- Infertility
- Lupus Erythematosus
- Lymphoma
- Mental Disorders
- Multiple Sclerosis
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Primary Ovarian Insufficiency
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Thrombophilia
- Tobacco Use Disorder