10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Prolactin Receptor (hPRL-Receptor) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM213]
Catalog # AH10683

Product Information

Application	IF, FC, IHC-P
Primary Accession	P16471
Other Accession	5618, 368587
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Clone Names	SPM213
Calculated MW	69506

Additional Information

Gene ID	5618
Other Names	Prolactin receptor, PRL-R, PRLR
Application Note	IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Prolactin Receptor (hPRL-Receptor) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PRLR
Function	This is a receptor for the anterior pituitary hormone prolactin (PRL). Acts as a prosurvival factor for spermatozoa by inhibiting sperm capacitation through suppression of SRC kinase activation and stimulation of AKT. Isoform 4 is unable to transduce prolactin signaling. Isoform 6 is unable to transduce prolactin signaling.
Cellular Location	Membrane; Single-pass type I membrane protein Expressed in breast, placenta, kidney, liver and pancreas.

Tissue Location

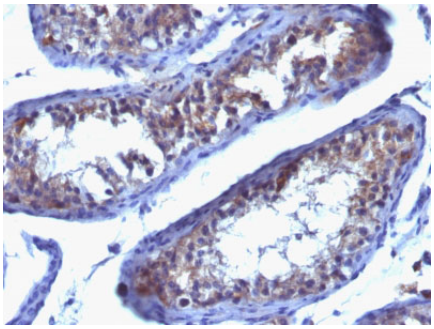
Background

It recognizes a protein of 70kDa, identified as prolactin receptor. Prolactin is a pituitary hormone involved in the stimulation of milk production, salt and water regulation, growth, development and reproduction. The initial step in its action is the binding to a specific membrane receptor (prolactin receptor), which belongs to the superfamily of class 1 cytokine receptors. The function of the prolactin receptor is mediated, at least in part, by two families of signaling molecules: Janus kinases and signal transducers and activators of transcription.

References

Br J Cancer. 2011;104(10):1641-8. | Breast Cancer Res. 2008;10(4):R68. | Histopathology. 2008;53(1):56-61. | Mod Pathol. 2010;23(7):961-71. | Breast Cancer Res Treat. 2011;128(1):31-40

Images



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with Prolactin Receptor Monoclonal Antibody (SPM213).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.