

Mouse Anti-Prolactin Receptor [B6.2]: MC0921, MC0921RTU7

Intended Use: For Research Use Only

Description: Prolactin is a peptide hormone secreted by the anterior pituitary that is necessary for the proliferation and differentiation of the mammary glands. Prolactin also acts in a cytokine-like manner and as an important regulator of the immune system. Prolactin has important cell cycle related functions as a growth, differentiating and anti-apoptotic factor. Prolactin is secreted by lactotrophs in the anterior pituitary. Prolactin producing cells make up approximately 20 percent of the pituitary. Elevated counts of these cells have been observed in pregnant women, newborns and in multiparous women. An antibody to prolactin is useful for the identification of pituitary tumors.

Specifications

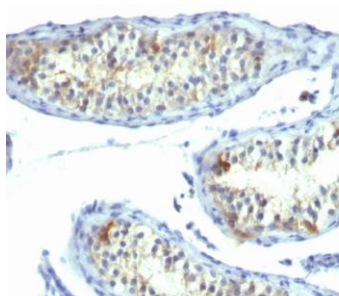
Clone:	B6.2
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Semi-purified human prolactin receptor
Localization:	Membrane, secreted
Formulation:	Purified antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt., IF
Package:	

Description	Catalog No.	Size
Prolactin Receptor Concentrated	MC0921	1 ml
Prolactin Receptor Prediluted	MC0921RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Testicular carcinoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human testicular carcinoma stained with anti-Prolactin Receptor using DAB

References:

1. The DNA sequence and comparative analysis of human chromosome 5. Jeremy Schmutz, et al. Nature. Sep 16;431(7006):268-74, 2004. doi: 10.1038/nature02919.
2. Alternative splicing to exon 11 of human prolactin receptor gene results in multiple isoforms including a secreted prolactin-binding protein. J F Trott, et al. J Mol Endocrinol. Feb;30(1):31-47, 2003. doi: 10.1677/jme.0.0300031.
3. Prolactin receptor antagonists that inhibit the growth of breast cancer cell lines. G Fuh 1, J A Wells. J Biol Chem. Jun 2;270(22):13133-7, 1995. doi: 10.1074/jbc.270.22.13133.

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