

Product datasheet

anti-GnRH-receptor mouse monoclonal, F1G4, purified

Short overview

Cat. No.	691685
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	F1G4
Immunogen	BSA-conjugated peptide corresponding to amino acids 1-29 (MANSASPEQNQHCSAINNSIPLMQGNLPY) of human GnRH receptor extracellular domain
Formulation	PBS with 0.02% sodium azide
UniprotID	Q96P88 (Human)
Synonym	Putative gonadotropin-releasing hormone II receptor, GnRH II receptor, GnRH-II-R, Type II GnRH receptor, GNRHR2
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, IHC, WB
Reactivity	Human, Rat

Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM Tris with 1mM EDTA pH 9.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

F1G4 reacts with GnRH receptors in the anterior pituitary. GnRH stimulates the gonadotrophs of the anterior pituitary to secrete luteinising hormone (LH) as well as follicle-stimulating hormone (FSH). The receptor contains seven hydrophobic transmembrane domains connected by hydrophilic extracellular, and intracellular loops characteristic of G protein couple receptors. Some cancers like ovarian and breast cancers sometimes carry.

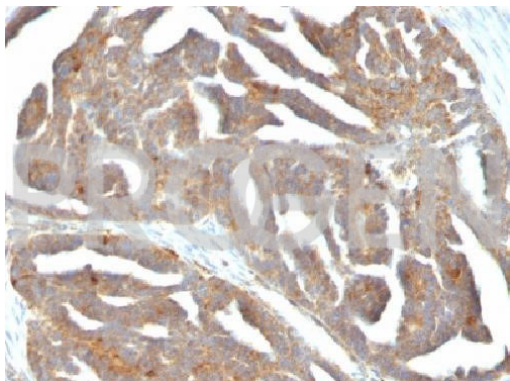
Positive control: Human pituitary gland, ovarian and breast cancers.

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Product images



Ovarian cancer