

Progesterone Receptor Monoclonal Antibody (hPRa 2)

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Rat, Deer, Bovine, Cat, Human, Mouse, Chicken, Horse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	hPRa 2
Conjugate	Unconjugated
Immunogen	PgR from a human endometrial carcinoma (EnCa 101) grown in athymic mice
Form	Liquid
Concentration	0.4 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10981830

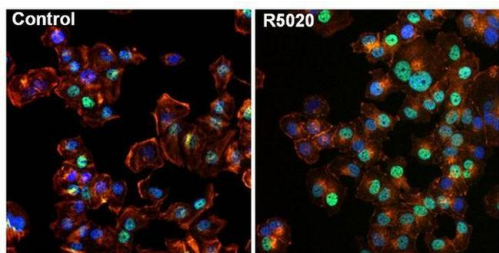
Applications	Tested Dilution	Publications
Western Blot (WB)	1:50-1:100	11 Publications
Immunohistochemistry (IHC)	-	37 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	1 Publication
Immunocytochemistry (ICC/IF)	1:50-1:200	4 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	2 µg/mL	-
ChIP assay (ChIP)	-	1 Publication

Product Specific Information

MA5-12642 targets Progesterone Receptor in IF, IHC (P), IP, and WB applications and shows reactivity with Bovine, Chicken, Equine, Human, and Rabbit samples.

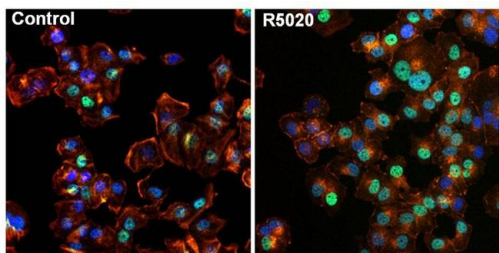
The MA5-12642 immunogen is pgR from a human endometrial carcinoma (EnCa 101) grown in athymic mice.

Product Images For Progesterone Receptor Monoclonal Antibody (hPRA 2)



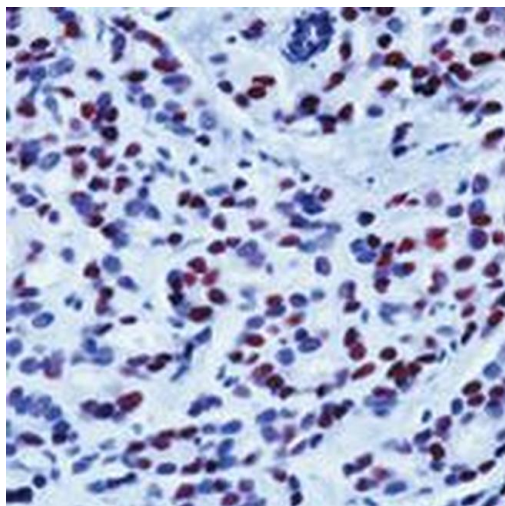
Progesterone Receptor Antibody (MA5-12642)

Modulation of target protein phosphorylation by cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Progesterone Receptor using Progesterone Receptor Antibody (Product # MA5-12642) shows induced expression of Progesterone Receptor in the T47D cells upon Promegestone (R5020) treatment. {TM}



Progesterone Receptor Antibody (MA5-12642) in ICC/IF

Immunofluorescent analysis of Progesterone Receptor (green) in HeLa cells untreated (left) or stimulated with 100nm promegestone, R5020, for 1 hour (right). The cells were fixed with formalin for 15 minutes, permeabilized with 0.1% Triton X-100 in TBS for 10 minutes, and blocked with 3% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were stained with Progesterone Receptor mouse monoclonal antibody (Product # MA5-12642), at a dilution of 1:100 for 1 hour at 37C, and then incubated with a Alexa Fluor 488 Superclonal goat anti-mouse IgG secondary antibody (Product # A28175) at a dilution of 1:1000 for 30 minutes at room temperature (both panels, green). Nuclei (both panels, blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight at 20X magnification.



Progesterone Receptor Antibody (MA5-12642) in IHC

Formalin-fixed, paraffin-embedded human breast carcinoma stained with PR antibody using peroxidase-conjugate and AEC chromogen. Note nuclear staining of tumor cells.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (11)

Hormones & cancer

Expression of membrane progesterone receptors (mPR/PAQR) in ovarian cancer cells: implications for progesterone-induced signaling events.

"MA5-12642 was used in western blot to study the pathways involved in PAQR family membrane-bound progesterone receptor signaling in ovarian cancer cells"

Authors: Charles NJ,Thomas P,Lange CA

Species
Human

Dilution
Not Cited

Year
2010

Research in veterinary science

Assessment of the tumorigenesis and drug susceptibility of three new canine mammary tumor cell lines.

"MA5-12642 was used in western blot to study the tumorigenesis and drug susceptibility of three new canine mammary tumor cell lines"

Authors: Chang CY,Chiou PP,Chen WJ,Li YH,Yiu JC,Cheng YH,Chen SD,Lin CT,Lai YS

Species
Human

Dilution
1:100

Year
2010

[View more WB references on thermofisher.com](#)

Immunohistochemistry (37)

Food additives & contaminants. Part A, Chemistry, analysis, control, exposure & risk assessment

Confirmation of the progesterone receptor as an efficient marker of treatment with 17-estradiol in veal calves.

"MA5-12642 was used in immunohistochemistry to determine the role of the progesterone receptor as a marker of treatment with 17beta-estradiol in veal calves"

Authors: Pezzolato M,Botta M,Baioni E,Richelmi GB,Pitardi D,Varello K,Caramelli M,Bozzetta E

Species
Not Applicable

Dilution
1:50

Year
2016

Reproduction, fertility, and development

Steroids in the equine oviduct: synthesis, local concentrations and receptor expression.

"MA5-12642 was used in immunocytochemistry and immunohistochemistry to measure steroids in preimplantation embryos of horses"

Authors: Nelis H,Vanden Bussche J,Wojciechowicz B,Franczak A,Vanhaecke L,Leemans B,Cornillie P,Peelman L, Van Soom A,Smits K

Species
Human

Dilution
1:100

Year
2015

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (1)

ICC/IF (4)

Flow (1)

ELISA (1)

ChIP (1)

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