

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)	-	38 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
ChIP assay (ChIP)	-	1 Publication

Product Specific Information

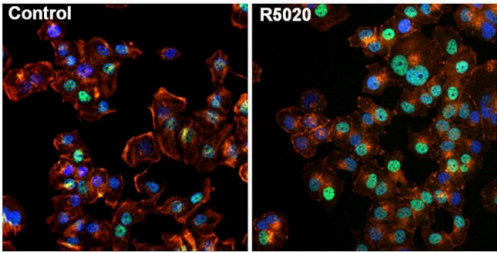
MA5-12642 targets Progesterone Receptor in IF, IHC (P), IP, and WB applications and shows reactivity with Bovine, Chicken, Equine, Human, and Rabbit samples.

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)

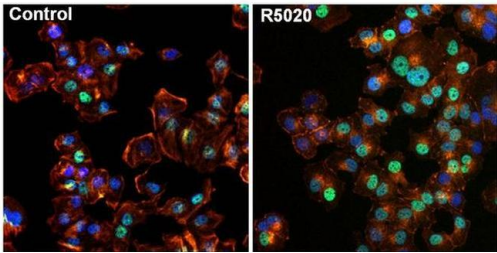
Progesterone Receptor Antibody (MA5-12642) in ICC/IF

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.



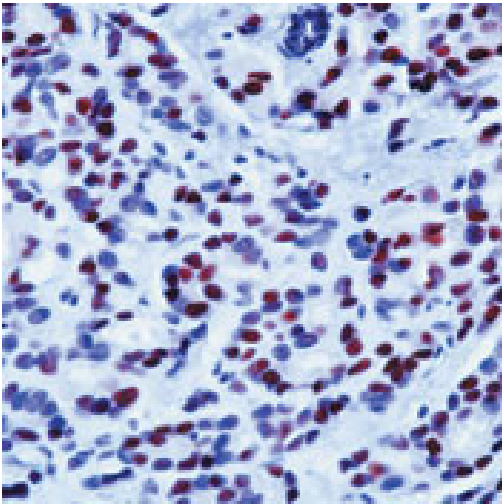
Progesterone Receptor Antibody (MA5-12642)

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 IHC (P)

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



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Western Blot (11)

<p>Hormones & cancer</p> <p>Expression of membrane progesterone receptors (mPR/PAQR) in ovarian cancer cells: implications for progesterone-induced signaling events.</p> <p>"MA5-12642 was used in western blot to study the pathways involved in PAQR family membrane-bound progesterone receptor signaling in ovarian cancer cells"</p> <p>Authors: Charles NJ,Thomas P,Lange CA</p>	<p>Year 2010</p> <p>Species Human</p>
<p>Research in veterinary science</p> <p>Assessment of the tumorigenesis and drug susceptibility of three new canine mammary tumor cell lines.</p> <p>"MA5-12642 was used in western blot to study the tumorigenesis and drug susceptibility of three new canine mammary tumor cell lines"</p> <p>Authors: Chang CY,Chiou PP,Chen WJ,Li YH,Yiu JC,Cheng YH,Chen SD,Lin CT,Lai YS</p>	<p>Year 2010</p> <p>Species Human</p> <p>Dilution 1:100</p>

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Immunohistochemistry (38)

<p>Reproduction (Cambridge, England)</p> <p>Hormone-responsive organoids from domestic mare and endangered Przewalski's horse endometrium.</p> <p>"MA5-12642 was used in Immunohistochemistry to represents a 'first' for any large animal model or endangered species."</p> <p>Authors: Thompson RE,Johnson AK,Dini P,Turco MY,Prado TM,Premanandan C,Burton GJ,Ball BA,Whitlock BK,Pukazhenth BS</p>	<p>Year 2020</p> <p>Species Horse</p> <p>Dilution 1:200</p>
<p>Food additives & contaminants. Part A, Chemistry, analysis, control, exposure & risk assessment</p> <p>Confirmation of the progesterone receptor as an efficient marker of treatment with 17-estradiol in veal calves.</p> <p>"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"</p> <p>Authors: Pezzolato M,Botta M,Baioni E,Richelmi GB,Pitardi D,Varello K,Caramelli M,Bozzetta E</p>	<p>Year 2016</p> <p>Dilution 1:50</p>

[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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