

Anti-Progesterone Receptor antibody ab63605

★★★★★ [4 Abreviews](#) [10 References](#) [3 图像](#)

概述

产品名称	Anti-Progesterone Receptor抗体
描述	兔多克隆抗体to Progesterone Receptor
宿主	Rabbit
经测试应用	适用于: ICC/IF, ICC, ELISA, IHC-P
种属反应性	与反应: Mouse, Human
免疫原	Synthetic non-phosphopeptide derived from Human Progesterone Receptor around the phosphorylation site of serine 294 (G-R-S ^P -P-L).
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride</p> <p>Without Mg²⁺ and Ca²⁺</p>
纯度	Immunogen affinity purified
纯化说明	ab63605 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
克隆	多克隆
同种型	IgG

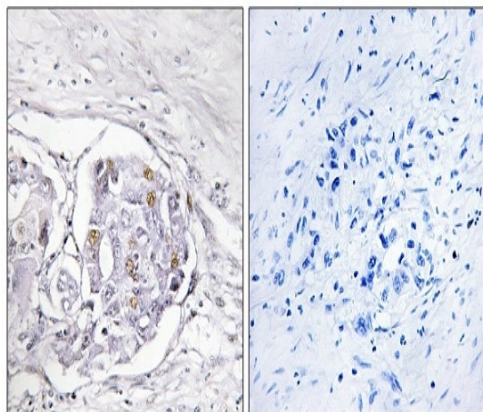
The Abpromise guarantee **Abpromise™**承诺保证使用ab63605于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/500 - 1/1000.
ICC	★★★★★ (1)	Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
IHC-P	★★★★★ (2)	1/50 - 1/100.

靶标

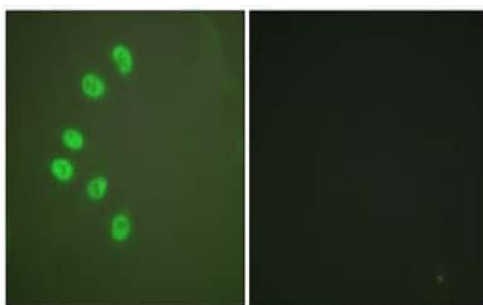
功能	<p>The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Progesterone receptor isoform B (PRB) is involved activation of c-SRC/MAPK signaling on hormone stimulation.</p> <p>Isoform A: inactive in stimulating c-Src/MAPK signaling on hormone stimulation.</p> <p>Isoform 4: Increases mitochondrial membrane potential and cellular respiration upon stimulation by progesterone.</p>
序列相似性	<p>Belongs to the nuclear hormone receptor family. NR3 subfamily.</p> <p>Contains 1 nuclear receptor DNA-binding domain.</p>
结构域	<p>Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.</p>
翻译后修饰	<p>Phosphorylated on multiple serine sites. Several of these sites are hormone-dependent. Phosphorylation on Ser-294 occurs preferentially on isoform B, is highly hormone-dependent and modulates ubiquitination and sumoylation on Lys-388. Phosphorylation on Ser-102 and Ser-345 also requires induction by hormone. Basal phosphorylation on Ser-81, Ser-162, Ser-190 and Ser-400 is increased in response to progesterone and can be phosphorylated in vitro by the CDK2-A1 complex. Increased levels of phosphorylation on Ser-400 also in the presence of EGF, heregulin, IGF, PMA and FBS. Phosphorylation at this site by CDK2 is ligand-independent, and increases nuclear translocation and transcriptional activity. Phosphorylation at Ser-162 and Ser-294, but not at Ser-190, is impaired during the G(2)/M phase of the cell cycle. Phosphorylation on Ser-345 by ERK1/2 MAPK is required for interaction with SP1.</p> <p>Sumoylation is hormone-dependent and represses transcriptional activity. Sumoylation on all three sites is enhanced by PIAS3. Desumoylated by SENP1. Sumoylation on Lys-388, the main site of sumoylation, is repressed by ubiquitination on the same site, and modulated by phosphorylation at Ser-294.</p> <p>Ubiquitination is hormone-dependent and represses sumoylation on the same site. Promoted by MAPK-mediated phosphorylation on Ser-294.</p> <p>Palmitoylated by ZDHHC7 and ZDHHC21. Palmitoylation is required for plasma membrane targeting and for rapid intracellular signaling via ERK and AKT kinases and cAMP generation.</p>
细胞定位	<p>Nucleus. Cytoplasm. Nucleoplasmic shuttling is both hormone- and cell cycle-dependent. On hormone stimulation, retained in the cytoplasm in the G(1) and G(2)/M phases; Mitochondrion outer membrane and Nucleus. Cytoplasm. Mainly nuclear.</p>



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Progesterone Receptor antibody (ab63605)

Paraffin-embedded human liver carcinoma tissue stained for Progesterone Receptor with ab63605 at 1/50 dilution in immunohistochemical analysis.

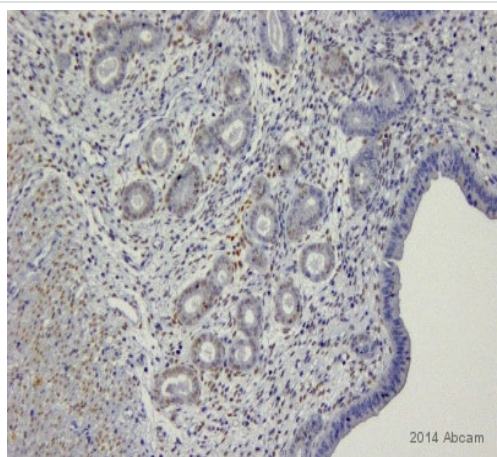
In the right-hand panel the sample is incubated with the immunizing peptide.



Peptide - +

Immunocytochemistry/ Immunofluorescence - Anti-Progesterone Receptor antibody (ab63605)

ab63605, at a 1/500 dilution, staining Human Progesterone Receptor in A549 cells, with (+) or without (-) immunising peptide, by Immunofluorescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Progesterone Receptor antibody (ab63605)

This image is courtesy of an Abreview submitted by Daniel Murta

ab63605 staining Progesterone Receptor in Mouse uterus tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde, permeabilized with 0.3% Triton X-100 and blocked with 2% BSA for 1 hour at room temperature; antigen retrieval was by heat mediation in Tris_EDTA. Samples were incubated with primary antibody (1/100) for 10 hours at 4°C. A HRP-conjugated goat anti-rabbit IgG polyclonal (1/100) was used as the secondary antibody.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors