

Anti-Estrogen Receptor alpha antibody ab3575

★★★★★ [3 Abreviews](#) [33 References](#) [3 图像](#)

概述

产品名称	Anti-Estrogen Receptor alpha抗体
描述	兔多克隆抗体to Estrogen Receptor alpha
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF
种属反应性	与反应: Rat, Human, Recombinant fragment 预测可用于: Hamster, Cow, Cat 
免疫原	Synthetic peptide corresponding to Human Estrogen Receptor alpha aa 21-32. Sequence: NELEPLNRPQLK Database link: P03372 (Peptide available as ab5847)  Run BLAST with  Run BLAST with
阳性对照	WB: recombinant fragment; IHC: rat prostate tissue; ICC/IF: T47D and 578T breast cancer cells
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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
克隆	多克隆

同种型

lgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab3575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
IHC-P	★★★★★ (1)	Use a concentration of 1 - 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 64 kDa (predicted molecular weight: 68 kDa).Can be blocked with Human Estrogen Receptor alpha peptide (ab5847) .
ICC/IF		1/1000 - 1/4000.

靶标

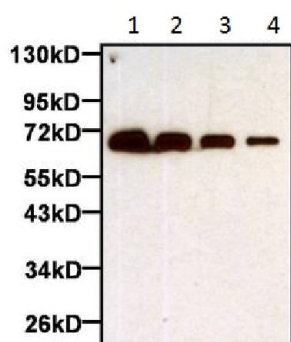
功能	Nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Can activate the transcriptional activity of TFF1.
序列相似性	Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.
结构域	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
翻译后修饰	Phosphorylated by cyclin A/CDK2. Phosphorylation probably enhances transcriptional activity. Glycosylated; contains N-acetylglucosamine, probably O-linked. Ubiquitinated. Deubiquitinated by OTUB1. Dimethylated by PRMT1 at Arg-260. The methylation may favor cytoplasmic localization. Palmitoylated (isoform 3). Not biotinylated (isoform 3).
细胞定位	Nucleus. Cytoplasm. Cell membrane. A minor fraction is associated with the inner membrane and Nucleus. Cytoplasm. Cell membrane. Associated with the inner membrane via palmitoylation.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Estrogen Receptor alpha antibody (ab3575)

ab3575 at a dilution of 5 µg/ml staining ER alpha in rat prostate tissue sections.



Western blot - Anti-Estrogen Receptor alpha antibody (ab3575)

All lanes : Anti-Estrogen Receptor alpha antibody (ab3575) at 1/1000 dilution

Lane 1 : Recombinant full-length human Estrogen Receptor alpha protein, 250 ng

Lane 2 : Recombinant full-length human Estrogen Receptor alpha protein, 125 ng

Lane 3 : Recombinant full-length human Estrogen Receptor alpha protein, 62.5 ng

Lane 4 : Recombinant full-length human Estrogen Receptor alpha protein, 31.25 ng

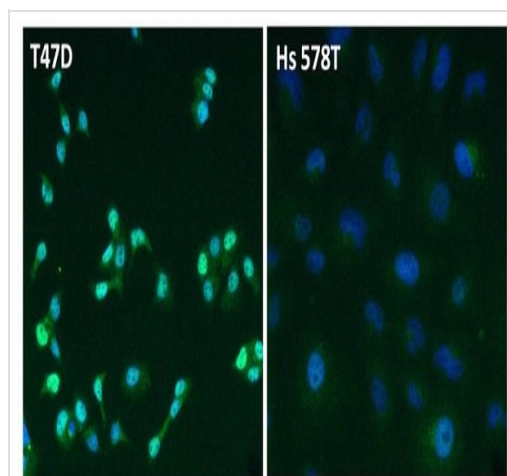
Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG at 1/40000 dilution

Developed using the ECL technique.

Predicted band size: 68 kDa

Blocked with 5% milk in TBST for at least 1 hour at room temperature.



Immunocytochemistry/ Immunofluorescence - Anti-Estrogen Receptor alpha antibody (ab3575)

4% paraformaldehyde fixed 0.1% Triton permeabilized T-47D (human ductal breast epithelial tumor cell line) and negative control line Hs 578T cells stained for Estrogen Receptor alpha (green) using ab3575 (1/2000) in ICC/IF. DyLight 488-conjugated goat anti-rabbit IgG at 1/500.

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

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