

Anti-Estrogen Receptor alpha antibody ab75635

★★★★★ [5 Abreviews](#) [47 References](#) [4 Images](#)

Overview

Product name	Anti-Estrogen Receptor alpha antibody
Description	Rabbit polyclonal to Estrogen Receptor alpha
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Human, capybara
Immunogen	Synthetic peptide corresponding to Human Estrogen Receptor alpha (N terminal).
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: 0.2% BSA, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

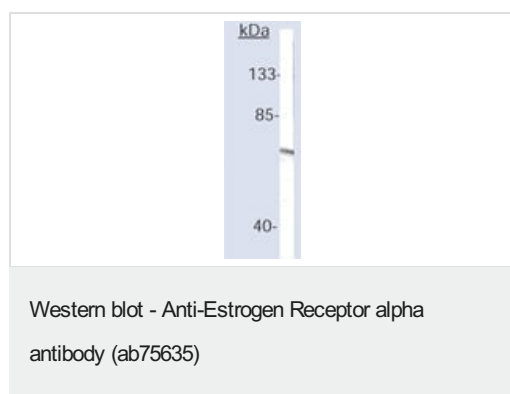
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab75635 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 2.5 - 5 µg/ml. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).
IP		Use at 10 µg/mg of lysate.
IHC-P	★★★★★ (4)	Use a concentration of 10 - 20 µg/ml. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.

Target

Function	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.
Sequence similarities	Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Domain	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
Post-translational modifications	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).
Cellular localization	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.

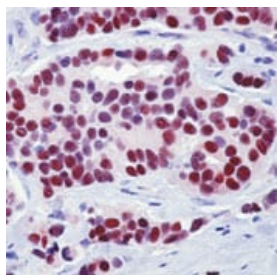
Images



Anti-Estrogen Receptor alpha antibody (ab75635) at 5 µg/ml + MCF7 (Human breast adenocarcinoma cell line) cell lysate

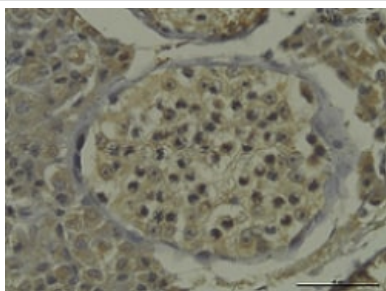
Predicted band size: 68 kDa

Observed band size: 68 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Estrogen Receptor alpha antibody (ab75635)

ab75635 at 20 µg/ml dilution staining Estrogen Receptor alpha in breast carcinoma by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue using peroxidase-conjugate and AEC chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Estrogen Receptor alpha antibody (ab75635)

This image is courtesy of an Abreview submitted by Raísa Brito.

Immunohistochemical analysis of capybara testis tissue, labeling Estrogen receptor alpha with ab75635, diluted 1/1000. Heat mediated antigen retrieval with citrate buffer pH 6, blocked with BSA.



Immunoprecipitation - Anti-Estrogen Receptor alpha antibody (ab75635)

Staining of Estrogen Receptor alpha in MCF7 (Human breast adenocarcinoma cell line cell lysate immunoprecipitated using ab75635 at 10 µg/mg lysate.

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