

Datasheet: AHP2611

Description:	RABBIT ANTI ESTROGEN RECEPTOR ALPHA (pSer118)
Specificity:	ESTROGEN RECEPTOR ALPHA (pSer118)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/50 - 1/100
Western Blotting	▪			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to estrogen receptor alpha (pSer118) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	50% Glycerol
Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 118 of human estrogen receptor alpha

External Database Links

UniProt:

[P03372](#) [Related reagents](#)

Entrez Gene:

[2099](#) ESR1 [Related reagents](#)

Synonyms	ESR, NR3A1
Specificity	Rabbit anti estrogen receptor alpha (pSer118) antibody recognizes estrogen receptor alpha, also known as ER-alpha, when phosphorylated at serine 118. Estrogen receptor alpha is a member of the nuclear receptor superfamily and also functions as a ligand-regulated transcription factor. Estrogen receptor alpha consists of several domains including the transcription activation function-1 domain (AF-1), the DNA-binding domain, the hinge domain and the ligand-binding domain (AF-2). Estrogen receptor alpha can be phosphorylated at serine 118 by MAPKs (Thomas et al. 2008).
Further Reading	1. Thomas, R.S. <i>et al.</i> (2008) Phosphorylation at serines 104 and 106 by Erk1/2 MAPK is important for estrogen receptor-alpha activity. J Mol Endocrinol. 40 (4): 173-84.
Storage	Store at -20°C Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800
Sheep Anti Rabbit IgG (2AB02...)	Biotin

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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