

AB-PN585

ESRRA-pS19+pS22 Antibody

Phosphosite-specific rabbit polyclonal antibody for ESRRA (ERR1)



KINEXUS

Website: www.kinexus.ca

Email: info@kinexus.ca

Phone: 604-323-2547

Address: 8755 Ash Street, Suite 1

Vancouver, British Columbia,

Canada V6P 6T3

Target Protein

Protein Name Long:	Steroid hormone receptor ERR1
Protein Alias:	ERR-alpha; ERRa; ERRalpha; ESRL1; Estrogen receptor-like 1; Estrogen-related receptor alpha; Estrogen-related receptor, alpha; NR3B1
UniProt ID:	P11474
Protein Molecular Mass:	45,510 Da (423 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human ESRRA
Antibody Immunogen Sequence:	CAEPA(pS)PD(pS)PKG
Antibody Immunogen Description:	Corresponds to amino acid residues A15 to G25. S19 and S22 phosphorylation represses transactivation activity in response to coactivator. Phosphorylation enhanced the sumoylation at Lys-14, and contributes to regulating GRIP-1-dependent activated transcriptional activation by ERR α 1. These are two of the major <i>in vivo</i> phosphorylation sites in ESRRA (≥ 21 and ≥ 18 reports, respectively, from high throughput mass spectrometry studies recorded in PhosphoSitePlus).
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 μ g
Antibody Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus macaque Rat Mouse

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987