

Rabbit anti-Human, Mouse ESRRA Polyclonal Antibody | anti-ESRRA antibody

ESRRA Antibody

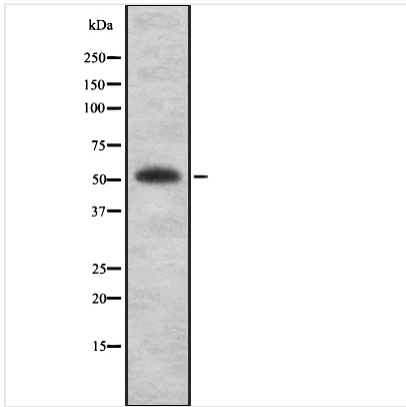
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327325	Rabbit	Human, Mouse	ELISA, Western Blot

PRODUCT SYNONYMS

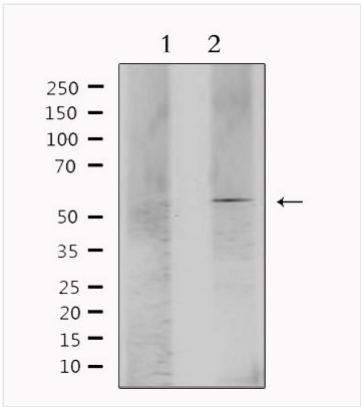
ESRRA; Polyclonal Antibody; ESRRA Antibody; Err 1; ERR a; ERR alpha; ERR-alpha; Err1; ERR1 protein; ERR1_HUMAN; ERRa; ERRalpha; ESRL 1; ESRL1; ESRR A; Esrra; Estrogen receptor like 1; Estrogen receptor related 1; estrogen receptor related receptor alpha; Estrogen receptor-like 1; Estrogen related receptor alpha; Estrogen-related receptor alpha; Estrra; hERR1; NR3B1; Nuclear receptor subfamily 3 group B member 1; Steroid hormone receptor ERR1; anti-ESRRA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ESRRA antibody detects endogenous levels of total ESRRA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	423
Applicable Applications for anti-ESRRA antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human ESRRA
Subcellular Location	Nucleus.
Tissue Specificity	Induced by PGC1alpha in a number of specific cell types including heart, kidney and muscle.
Predicted Cross Reactivity	Bovine, Horse, Dog, Xenopus
Similarity	Bovine (100%), Horse (91%), Dog (100%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of ESRRR using LOVO whole lysates.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using ESRRR Antibody. Lane 1 was treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ESRRR antibody	Function: Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium-chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism. Induces the expression of PERM1 in the skeletal muscle. Subunit Structure: Binds DNA as a monomer or a homodimer. Interacts (via the AF2 domain) with coactivator PPARGC1A (via the L3 motif); the interaction greatly enhances transcriptional activity of genes involved in energy metabolism. Interacts with PIAS4; the interaction enhances sumoylation. Post-translational Modifications: Phosphorylation on Ser-19 enhances sumoylation on Lys-14 increasing repression of transcriptional activity. Sumoylated with SUMO2. Main site is Lys-14 which is enhanced by phosphorylation on Ser-19, cofactor activation, and by interaction with PIAS4. Sumoylation enhances repression of transcriptional activity, but has no effect on subcellular location nor on DNA binding. Reversibly Acetylated. Acetylation by PCAF/KAT2 at Lys-129, Lys-138, Lys-160 and Lys-162 and PCAF/KAT2 decreases transcriptional activity probably by inhibiting DNA-binding activity; deacetylation involves SIRT1 and HDAC8 and increases DNA-binding. Similarity: Belongs to the nuclear hormone receptor family. NR3 subfamily.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	540344536
NCBI GeneID	2101
NCBI Accession #	NP_001269379.1
NCBI GenBank Nucleotide #	NM_001282450.1
UniProt Accession #	P11474; Q14514
Molecular Weight	Observed: 55 kDa Predicted: 46 kDa
NCBI Official Full Name	steroid hormone receptor ERR1 isoform 1
NCBI Official Synonym Full Names	estrogen related receptor alpha
NCBI Official Symbol	ESRRR
NCBI Official Synonym Symbols	ERR1; ERRa; ESRL1; NR3B1; ERRalpha
NCBI Protein Information	steroid hormone receptor ERR1
UniProt Protein Name	Steroid hormone receptor ERR1

UniProt Gene Name	ESRRA
UniProt Synonym Gene Names	ERR1; ESRL1; NR3B1; ERR-alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/esrra-antibody-western-blot-elisa/327325>