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SRA Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10600

Specification

SRA Antibody - Product Information

Application	**WB**
Primary Accession	Q9HD15
Other Accession	NP_001030312.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**24400**

SRA Antibody - Additional Information

Gene ID 10011

Application & Usage	**Western blotting (1:500 – 1:2500). However, the optimal concentrations should be determined individually. HeLa cell lysate can be used as a positive control.The antibody recognizes the SRA of human origin. Reactivity to other species has not been tested.**

Other Names
SRA, SRA1, STRAA1, Steroid Receptor RNA Activator 1, pp7684

Target/Specificity
SRA

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
SRA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SRA Antibody - Protein Information

Name SRA1 (HGNC:11281)

Function
Functional RNA which acts as a transcriptional coactivator that selectively enhances steroid receptor-mediated transactivation ligand-independently through a mechanism involving the modulating N- terminal domain (AF-1) of steroid receptors. Also mediates transcriptional coactivation of steroid receptors ligand-dependently through the steroid-binding domain (AF-2). Enhances cellular proliferation and differentiation and promotes apoptosis in vivo. May play a role in tumorigenesis.

Cellular Location
Nucleus. Cytoplasm

Tissue Location
Highly expressed in liver and skeletal muscle and to a lesser extent in brain. Also expressed in both normal and tumorigenic breast epithelial cell lines. Significantly up-regulated in human tumors of the breast, ovary, and uterus

SRA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SRA Antibody - Images

SRA Antibody - Background

Steroid receptor RNA activator (SRA) selectively mediates transactivation of steroid hormone receptors. Specifically, SRA exists as both an RNA transcript that forms a complex with steroid receptor coactivator-1 and as a stably expressed protein. There are six RNA motifs in SRA that are important for coactivation. SRA is ubiquitously expressed in normal tissues with higher levels of expression in liver and skeletal muscle. SRA is expressed at a low level in brain. SRA is expressed at higher levels in breast tumor than in normal tissue. Overexpression of SRA stimulates ERalpha transcriptional activity. In cells transfected with antisense oligodeoxynucleotides to SRA, ERα expression is reduced in a dose-dependent fashion. SMRT/HDAC1 associated repressor protein (SHARP) binds to SRA and inhibits SRA-potentiated steroid receptor transciption.