10320 Camino Santa Fe, Suite G
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SRA Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1058a

Specification

SRA Antibody - Product Information

Application	**WB, IHC, E**
Primary Accession	Q9HD15
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**

Description
Steroid receptor RNA activator 1 (SRA), with 237-amino acid protein (about 27kDa), belongs to the growing family of functional non-coding RNAs. SRA was originally described as the first functional noncoding RNA able to specifically coactivate the activity of steroid receptors. Specifically, SRA exists as both an RNA transcript that forms a complex with steroid receptor coactivator-1 and as a stably expressed protein. Its expression is strongly up-regulated in many human tumors of the breast, uterus, and ovary, suggesting a potential role in pathogenesis. Although coactivation of steroid-dependent transcription by SRA is accompanied by a proliferative response, overexpression is not in itself sufficient to induce turmorigenesis.

Immunogen
Purified recombinant fragment of SRA expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

SRA Antibody - Additional Information

Gene ID 10011

Other Names
Steroid receptor RNA activator 1, Steroid receptor RNA activator protein, SRAP, SRA1 (HGNC:11281)

Dilution
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
E~~N/A

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

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

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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

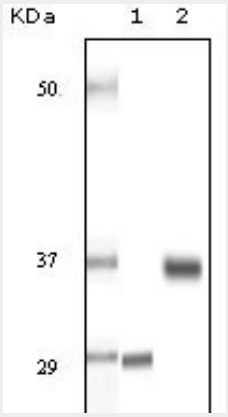

Figure 1: Western blot analysis using SRA mouse mAb against truncated SRA recombinant protein (1) and human ovary cancer tissue lysate (2).

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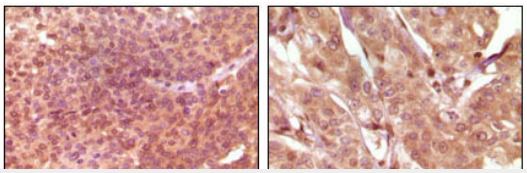

Figure 2: Immunohistochemical analysis of paraffin-embedded human bladder carcinoma (left) and breast carcinoma (right), showing nuclear and cytoplasmic localization using SRA mouse mAb with DAB staining.

SRA Antibody - References

1. Rainer B. Lanz, Steven S. Chua, Niall Barron. Mol. Cell. Biol, Oct 2003; 23: 7163 - 7176. 2. Shilpa Chooniedass-Kothari, Mohammad Kariminia Hamedani, Sandy Troup. Int J Cancer. 2006 Feb 15;118(4):1054-9 3. S. Chooniedass-Kothari, E. Emberley, M. K. Hamedani. FEBS Lett. 2004 May 21;566(1-3):43-7.