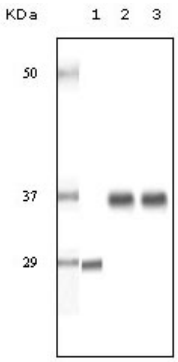
SRA1 Monoclonal Antibody

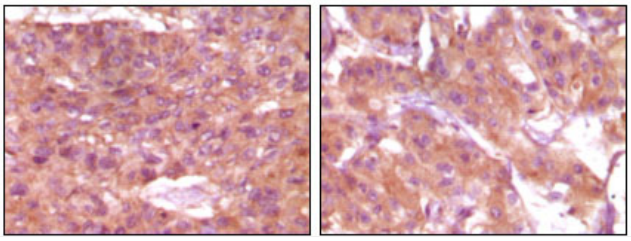
Catalog No	YP-Ab-01023
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	SRA1
Protein Name	Steroid receptor RNA activator 1
Immunogen	Purified recombinant fragment of SRA1 expressed in E. Coli.
Specificity	SRA1 Monoclonal Antibody detects endogenous levels of SRA1 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SRA1; PP7684; Steroid receptor RNA activator 1; Steroid receptor RNA activator protein; SRAP
Observed Band	
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	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.
Function	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.,miscellaneous:Appears to be the first example of a new class of functional RNAs also able to encode a protein.,similarity:Belongs to the SRA1 family.,subunit:SRA1 RNA exists in a ribonucleoprotein complex containing NCOA1. The RNA also forms a complex with PUS1 and RARG in the nucleus. Interacts with AR.,tissue specificity:Highly expressed in liver and skeletal muscle and to a lesser extent in brain. Als
Background	Both long non-coding and protein-coding RNAs are transcribed from this gene, and they represent alternatively spliced transcript variants. This gene was initially

	defined as a non-coding RNA, which is a coactivator for several nuclear receptors (NRs) and is associated with breast cancer. It has now been found that this gene is involved in the regulation of many NR and non-NR activities, including metabolism, adipogenesis and chromatin organization. The long non-coding RNA transcripts interact with a variety of proteins, including the protein encoded by this gene. The encoded protein acts as a transcriptional repressor by binding to the non-coding RNA. [provided by RefSeq, Mar 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using SRA1 Monoclonal Antibody against truncated SRA recombinant protein (1), human ovary cancer tissue lysate (2) and A431 cell lysate (3).



Immunohistochemistry analysis of paraffin-embedded human skin carcinoma (left) and breast carcinoma (right), showing cytoplasmic and membrane localization with DAB staining using SRA1 Monoclonal Antibody.