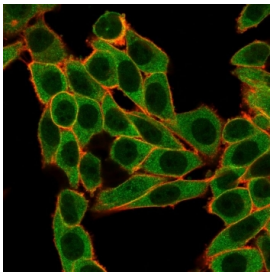
SNW1 Antibody / Transcription and RNA Splicing Factor Antibody [clone PCRP-SNW1-1C12] (V4353)

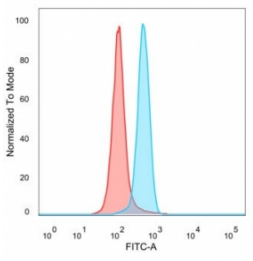
Catalog No.	Formulation	Size
V4353-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4353-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4353SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

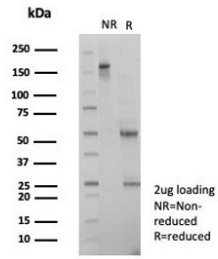
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-SNW1-1C12
Purity	Protein A/G affinity
UniProt	Q13573
Localization	Nucleus, cytoplasm
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 2-4ug/ml
Limitations	This SNW1 Antibody / Transcription and RNA Splicing Factor Antibody is available for research use only.



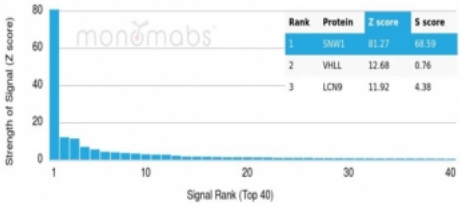
SNW1 Antibody HeLa IF. Immunofluorescence analysis of PFA-fixed human HeLa cells stained with SNW1 Antibody / Transcription and RNA Splicing Factor Antibody (green, clone PCRP-SNW1-1C12). SNW1 displays prominent cytoplasmic staining with additional nuclear signal in human HeLa cells, consistent with the dynamic subcellular distribution reported for this transcriptional coactivator and RNA splicing-associated regulatory protein. Actin filaments are shown in red and nuclei are counterstained blue.



SNW1 Antibody HeLa FACS. Flow cytometry analysis of PFA-fixed human HeLa cells stained with SNW1 Antibody / Transcription and RNA Splicing Factor Antibody clone PCRP-SNW1-1C12 followed by goat anti-mouse IgG-CF488. Blue histogram indicates SNW1 antibody staining, while red represents unstained control cells. The distinct population shift supports detection of SNW1/Ski-interacting protein expression in HeLa cells, consistent with the broad cellular distribution reported for this transcriptional coactivator and RNA splicing-associated regulatory factor.



SDS-PAGE analysis of purified, BSA-free SNW1 antibody (clone PCRP-SNW1-1C12) as confirmation of integrity and purity.



SNW1 Antibody HuProt Microarray Specificity Validation. Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using SNW1 Antibody / Transcription and RNA Splicing Factor Antibody clone PCRP-SNW1-1C12 demonstrates highly selective recognition of SNW1/Ski-interacting protein. The intended SNW1 target ranks first among all proteins tested, with a strong separation from secondary signals, supporting the specificity of this mouse monoclonal antibody for transcriptional regulation and RNA splicing research applications. Z-score represents signal intensity above background in standard deviation units, while S-score reflects relative target specificity compared with the next highest-ranking proteins on the array. An S-score greater than 2.5 is considered supportive of target-specific monoclonal antibody binding.

Description

SNW1 antibody is useful for investigating SNW domain containing 1, a multifunctional regulatory protein also known as Ski-interacting protein (SKIP) that participates in transcriptional regulation, RNA splicing, and intracellular signaling pathways. SNW1 Antibody / Transcription and RNA Splicing Factor Antibody is applicable for studies examining nuclear signaling complexes, spliceosome-associated proteins, and transcriptional coactivator activity in cancer biology, developmental signaling, and RNA processing research. SNW1 belongs to the SNW domain protein family and is broadly expressed in proliferating and metabolically active cell populations where coordinated transcription and RNA maturation are required.

SNW1 antibody, also referred to as Ski-interacting protein antibody, SKIP antibody, and SNW domain containing 1 antibody in the literature, recognizes a protein that functions as a transcriptional coregulator for multiple signaling pathways including TGF-beta, Notch, vitamin D receptor, and steroid hormone receptor signaling networks. SNW1 has been reported to associate with components of the spliceosome and transcriptional machinery, helping coordinate pre-mRNA processing with active transcriptional programs. The protein is detected in both nuclear and cytoplasmic compartments, reflecting its dynamic subcellular distribution and participation in regulatory protein complexes that shuttle between intracellular compartments.

SNW1 is highly relevant in cancer and cell proliferation studies because altered expression or dysregulation of transcriptional and RNA splicing machinery can contribute to oncogenic transformation, epithelial plasticity, and abnormal signaling pathway activation. Increased SNW1 expression has been associated with several tumor types including breast cancer, colorectal cancer, hepatocellular carcinoma, and other malignancies where transcriptional adaptation and RNA processing are linked to aggressive cellular behavior. SNW1 also contributes to pathways regulating apoptosis resistance, cellular differentiation, and developmental signaling cascades, making it relevant for both oncology and

developmental biology investigations.

The SNW1 protein has additionally been implicated in embryogenesis and tissue specification through modulation of signaling pathways involved in lineage determination and morphogenesis. Functional studies suggest that SNW1 participates in coordinated regulation of gene expression programs required for cell fate transitions and tissue patterning. Because transcriptional regulation and RNA splicing are tightly interconnected processes, SNW1 serves as an important molecular link between signaling-dependent transcriptional activation and downstream RNA maturation events.

Immunofluorescence analysis with clone PCRP-SNW1-1C12 demonstrates prominent cytoplasmic staining with additional nuclear signal in human HeLa cells, consistent with published reports describing dynamic nuclear and cytoplasmic localization of SNW1. Protein microarray validation further supports the specificity profile of this mouse monoclonal antibody for research applications involving transcriptional regulation proteins and RNA processing-associated factors. An antibody targeting SNW1 can therefore support investigations into spliceosome biology, intracellular signaling regulation, transcriptional coactivator complexes, and cancer-associated RNA processing mechanisms.

SNW1 is involved in TGF-beta, Notch, and transcriptional signaling networks; additional pathway-associated antibodies are available on our Signal Transduction Antibodies landing page.

Application Notes

Optimal dilution of the SNW1 Antibody / Transcription and RNA Splicing Factor Antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human SNW1 protein was used as the immunogen for the SNW1 antibody.

Storage

Aliquot the SNW1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

SKIP antibody, Ski-interacting protein antibody, SNW domain containing 1 antibody, NCoA-62 antibody, RNA splicing factor antibody

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