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SND1/P100 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1189a

Product Information

Application	WB, E
Primary Accession	Q7KZF4
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2D7
Isotype	IgG1
Calculated MW	101997
Description	SND1/P100 (staphylococcal nuclease and tudor domain containing 1), also known as TudorSN, it functions in the Pim-1 regulation of Myb activity and acts as a transcriptional activatior of EBNA-2. It also interacts with EAV, NSP1,GTF2E1 and GTF2E2, and forms a ternary complex with Stat6 and POLR2A. The staphylococcal nuclease-like (SN)-domains directly interact with amino acids 1099-1758 of CBP. SND1/P100 plays an important role in the assembly of Stat6 transcriptome and stimulates IL-4-dependent transcription by mediating interaction between Stat6 and CBP.
Immunogen	Purified recombinant fragment of SND1 (aa361-485) expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	27044
Other Names	Staphylococcal nuclease domain-containing protein 1, 100 kDa coactivator, EBNA2 coactivator p100, Tudor domain-containing protein 11, p100 co-activator, SND1, TDRD11
Dilution	WB~~1/500 - 1/2000 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	SND1/P100 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SND1
Synonyms	TDRD11
Function	Endonuclease that mediates miRNA decay of both protein-free and AGO2-loaded miRNAs (PubMed:18453631, PubMed:28546213). As part of its function in miRNA decay, regulates mRNAs involved in G1-to-S phase transition (PubMed:28546213). Functions as a bridging factor between STAT6 and the basal transcription factor (PubMed:12234934). Plays a role in PIM1 regulation of MYB activity (PubMed:9809063). Functions as a transcriptional coactivator for STAT5 (By similarity).
Cellular Location	Cytoplasm. Nucleus. Melanosome Note=In IL-4 stimulated cells colocalizes with STAT6 in the nucleus (PubMed:12234934). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065)
Tissue Location	Ubiquitously expressed.

References

1. J Gen Virol. 2003 Sep;84(Pt 9):2317-22. 2. Biochim Biophys Acta. 2005 Jan 11;1681(2-3):126-33.

Images

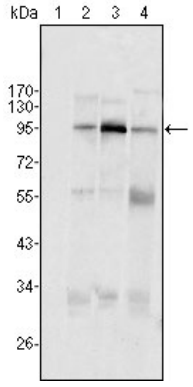

Figure 1: Western blot analysis using SND1/P100 mouse mAb against Hela (1), Jukat (2), HepG2 (3) SMMC-7721 (4) cell lysate.